BAB IV
HASIL DAN PEMBAHASAN

4.1. Analisis Model Matematika

Kebutuhan air irigasi ditentukan oleh berbagai faktor seperti cara penyiapan lahan, kebutuhan air untuk tanaman, perkolasi dan rembesan, pergantian lapisan air dan curah hujan efektif. Didalam skripsi ini kebutuhan air irigasi dibutuhkan untuk menentukan kebutuhan air irigasi tiap luas lahan untuk tanaman padi dan jagung. Setelah didapat kebutuhan air irigasinya kita kalikan dengan luas lahan yang ada. Hasil kebutuhan Air Irigasi di Air Manjunto Kiri Kab. Mukomuko didapat :

KAI = $\frac{(4{,}836+13{,}5+3{,}3+2-12{,}59)}{80\%}$x 6411 = 88519,88 liter/detik = 13,81 liter/detik/ha

= 0.01381 m^3/detik/ha.

Etc = 3,72 x 1,30 = 4,836 mm/hari

Kebutuhan air tanaman Eto = 3,72 dapat dilihat di Lampiran 35 dan nilai kc = 1,30 diambil dari harga-harga koefisien tanaman padi pada 2,5 bulan untuk varietas unggul (varietas padi jangka waktu tumbuhnya pendek).

Untuk kebutuhan air untuk penyiapan lahan T (penyiapan lahan) = 30 hari, S (persiapan lahan) = 300 mm dan Eo = 4,092 P = 2 maka diperoleh IR = 13,5 mm/hari dapat dilihat pada lampiran Lampiran 2 Tabel 2. Curah hujan efektif diambil yang terbesar dapat dilihat pada Tabel 4.1.

Tabel 4.1 Hasil Perhitungan Curah Hujan Efektif

Tahun	Hujan Efektif (mm/tahun)
2008	10,99
2009	12,59
2010	7,52
2011	10,70
2012	4,04
Total	45,84

Sumber : Hasil Perhitungan, 2014.

Perhitungan curah hujan efektif didapat dengan menggunakan rumus :

$Re = 0{,}7\ x\ \frac{1}{15}\ (R_{80})$. Rumus ini digunakan pada setiap tahun, disini penulis menganalisa curah hujan dalam waktu 5 tahun terakhir yaitu dimulai pada tahun 2008 s/d 2012. Curah hujan efektif selengkapnya dapat di lihat pada Lampiran 34. Dalam menentukan kebutuhan air irigasi curah hujan yang dipilih yaitu curah hujan efektif terbesar sebesar 12,59 mm/tahun.

Tabel 4.2 Hasil Perhitungan Debit Eksisting D.I Air Manjunto

b (m)	h (m)	A (m^2)	V (m^3)	V rata-rata (m^3)	Debit A.V (m^3/s)
2	1.75	3.5	1,0	1,17	12,285
2	1.75	3.5	1,2		
2	1.75	3.5	1,3		
Jumlah		10,5			

Sumber : Hasil Perhitungan, 2014.

Dari Tabel 4.2 didapat debit intake eksisting sebesar 12,285 m^3/s sedangkan dari rencana intake yang di kerjakan dari DPU Balai Wilayah Sungai Sumatera VII yaitu sebesar 10,13 m^3/s.

Model matematika dalam program linier ini dibuat sesuai dengan fungsi tujuan yang ingin dicapai. Perumusan dalam analisa optimasi terdiri atas :

4.1.1 Fungsi Tujuan

Tujuan yang akan dicapai dalam studi ini adalah untuk memperoleh keuntungan yang sebesar-besarnya dalam kaitannya dengan usaha pertanian untuk setiap periode musim tanam. Fungsi tujuan ini merupakan persamaan yang berisi variabel bebas yang akan dioptimumkan dan bentuk fungsinya adalah memaksimumkan keuntungan. Fungsi tujuan selengkapnya dapat dilihat pada Lampiran Tabel 3.

```
MAX 25147720.45X1 s/d 25147720.45X109(padi) +
18182053.28X110 s/d 18182053.28X218(jagung)
```

4.1.2 Fungsi Kendala

Fungsi kendala ini merupakan persamaan yang membatasi kegunaan utama dan bentuk fungsi kendala ini adalah besar debit dan luas lahan. Besaran debit andalan (Q80%) didapat dari perhitungan DPU Balai Wilayah Sungai Sumatera VII Bengkulu.

Persamaan untuk fungsi kendala berdasarkan :

1. Volume air yang tersedia (Q andalan 80%) adalah sebagai berikut :

   Musim Tanam I : $0{,}2027 \times 10^6 (m^3)$

   Musim Tanam II : $0{,}1730 \times 10^6 (m^3)$

   Musim Tanam III : $0{,}2785 \times 10^6 (m^3)$

2. Volume kebutuhan air irigasi adalah sebagai berikut :

Tabel 4.3 Volume Kebutuhan Air irigasi di Air Manjunto

No.	Pola Tata Tanam (PTT) D.I Air Manjunto	Musim Tanam	Kebutuhan Air Irigasi (m^3/detik)	
			Padi	jagung
1	PTT Eksisting	I	57.92	30.62
		II	48.46	40.08
		III	0.00	34.69
2	PTT Aternatif I	I	70.82	17.72
		II	61.97	26.57
		III	53.11	35.42
3	PTT Aternatif II	I	53.11	35.42
		II	44.26	44.27
		III	35.41	53.13
4	PTT Aternatif III	I	66.40	22.14
		II	48.69	39.84
		III	39.84	48.69

Sumber : Hasil perhitungan, 2014

3. Fungsi kendala debit air Q_{80} (Q andalan 80%)

   Analisa optimasi yang dilakukan dalam studi ini adalah menggunakan debit andalan 80% yang merupakan fungsi kendala.

Pola Tanam Eksisting

$$K1 = (57.92 + \sum_{n=1}^{109} Xn) + (30.62 + \sum_{n=110}^{218} Xn) \leq 0.2027\ x\ 10^6$$

$$K2 = (48.46 + \sum_{n=219}^{327} Xn) + (40.08 + \sum_{n=328}^{436} Xn) \leq 0.1730x10^6$$

$$K3 = (0.00 + \sum_{n=437}^{545} Xn) + (34.69 + \sum_{n=546}^{654} Xn) \leq 0.2785\ x\ 10^6$$

Pola Tanam Alternatif I

$$K1 = (70.82 + \sum_{n=1}^{109} Xn) + (17.72 + \sum_{n=110}^{218} Xn) \leq 0.2027\ x\ 10^6$$

$$K2 = (61.97 + \sum_{n=219}^{327} Xn) + (26.57 + \sum_{n=328}^{436} Xn) \leq 0.1730x\ 10^6$$

$$K3 = (53.11 + \sum_{n=437}^{545} Xn) + (35.42 + \sum_{n=546}^{654} Xn) \leq 0.2785x\ 10^6$$

Pola Tanam Alternatif II

$$K1 = (53.11 + \sum_{n=1}^{109} Xn) + (35.42 + \sum_{n=110}^{218} Xn) \leq 0.2027\ x\ 10^6$$

$$K2 = (44.26 + \sum_{n=219}^{327} Xn) + (44.27 + \sum_{n=328}^{436} Xn) \leq 0.1730x\ 10^6$$

$$K3 = (35.41 + \sum_{n=437}^{545} Xn) + (53.13 + \sum_{n=546}^{654} Xn) \leq 0.2785x\ 10^6$$

Pola Tanam Alternatif III

$$K1 = (66.40 + \sum_{n=1}^{109} Xn) + (22.14 + \sum_{n=110}^{218} Xn) \leq 0.2027\, x\, 10^6$$

$$K2 = (48.69 + \sum_{n=219}^{327} Xn) + (39.84 + \sum_{n=328}^{436} Xn) \leq 0.1730 x\, 10^6$$

$$K3 = (39.84 + \sum_{n=437}^{545} Xn) + (48.69 + \sum_{n=546}^{654} Xn) \leq 0.2785\, x 10^6$$

Fungsi Kendala Luas Tanaman

Musim Tanam I

K13 = $X_1 + X_{110} \leq 120$ s/d K121 = $X_{109} + X_{218} \leq 41$

Musim Tanam II

K122 = $X_{219} + X_{328} \leq 120$ s/d K230 = $X_{327} + X_{436} \leq 41$

Musim Tanam III

K231 = $X_{437} + X_{546} \leq$ 90% x 120 s/d K339 = $X_{545} + X_{654} \leq$ 90% x 41

Musim Tanam I

K340 = $X_{110} \leq$ 10% x 120 s/d K448 = $X_{327} \leq$ 10% x 41

Musim Tanam II

K449 = $X_{328} = X_{219}$ s/d K557 = $X_{436} = X_{327}$

Musim Tanam III

K558 = $X_{546} = 0$ s/d K680 = $X_{654} = 0$

Fungsi Kendala selengkapnya dapat dilihat pada Lampiran Tabel 4.

4.2 Analisis Hasil Optimasi

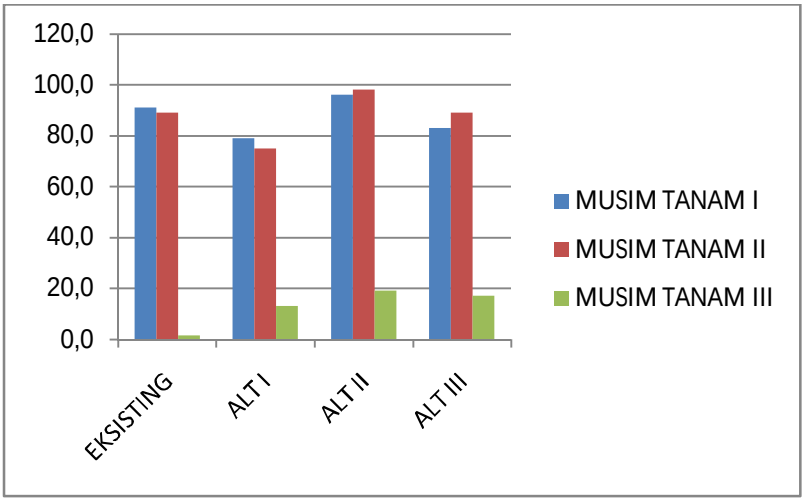
Optimasi dilakukan dengan bantuan program komputer yaitu LINGO. Sebagai data input yang digunakan adalah data dari skema jaringan irigasi di daerah air Irigasi Air Manjunto. Dengan memasukkan fungsi tujuan untuk mencari keuntungan (objective value) yang biasa diperoleh dalam rupiah.

Resume dari hasil keluaran program tersebut dapat disajikan pada Tabel 4.4 sebagai berikut :

Tabel 4.4 Hasil Optimasi dengan Program LINGO

No.	Pola Tanam D.I Air Manjunto	Musim Tanam	Objective Value (Rp)
1	PTT Eksisting	I II III	91.141.680.000 89.776.220.000 1.450.980.000 + 182.360.000.000
2	PTT Alternatif I	I II III	79.600.000.000 75.538.430.000 13.187.050.000 + 168.325.480.000
3	PTT Alternatif II	I II III	96.880.260.000 98.295.430.000 19.778.710.000 + 214.962.160.000
4	PTT Alternatif III	I II III	83.495.500.000 89.352.140.000 17.579.420.000 + 190.427.060.000

Sumber : Hasil perhitungan, 2014



Gambar 4.1 Grafik hubungan antara pola tanam dengan nilai *objective value* (Rp).

Berdasarkan dari Gambar 4.1 didapat hasil optimasi dengan menggunakan Lingo didapat luas tanam optimum dan keuntungan maksimum untuk tiap musim tanam adalah sebagai berikut :

a. Pada Pola Tata Tanam (PTT) Eksisting luas lahan untuk musim tanam I, II dan III mendapatkan keuntungan maksimum dari PTT Eksisting sebesar Rp 182.360.000.000,- pertahun.
b. Pada Pola Tata Tanam (PTT) Alternatif I luas lahan untuk musim tanam I, II dan IIInmendapatkan keuntungan maksimum dari PTT Eksisting sebesar Rp 168.325.480.000,- pertahun.
c. Pada Pola Tata Tanam (PTT) Alternatif II luas lahan untuk musim tanam I, II dan III mendapatkan keuntungan maksimum dari PTT Eksisting sebesar Rp 214.962.160.000,- pertahun.
d. Pada Pola Tata Tanam (PTT) Alternatif III luas lahan untuk musim tanam I , II dan III mendapatkan keuntungan maksimum dari PTT Eksisting sebesar Rp 190.427.060.000,- pertahun.

BAB V
KESIMPULAN DAN SARAN

5.1 Kesimpulan

Berdasarkan hasil penelitian melalui analisis data dari studi kasus di Daerah Irigasi Air Manjunto dapat diambil kesimpulan sebagai berikut :

1. Berdasarkan perhitungan kebutuhan air irigasi di dapat kebutuhan air untuk luas lahan 6411 ha sebesar 88519,88 liter/detik atau 13,81 liter/detik/ha atau 0,01381 m^3/detik/ha.
2. Berdasarkan kondisi eksisting luas tanam untuk tanaman padi dan jagung adalah sebagai berikut :
   a. Musim tanam I seluas 4194 ha tanaman padi dan 2217 ha untuk tanaman jagung dengan keuntungan Rp. 91.141.680.000,-
   b. Musim tanam II seluas 3509 ha tanaman padi dan 2902 ha untuk tanaman jagung dengan keuntungan Rp. 89.776.220.000,- dan
   c. Musim tanam III seluas 0 ha tanaman padi dan 2512 ha untuk tanaman jagung dengan keuntungan Rp. 1.450.980.000,-.
3. Dengan melakukan pembagian kebutuhan air pada Pola Tata Tanam Alternatif I, II dan III untuk tiap musim tanamnya, didapatlah keuntungan maksimum pada setiap musim panen.
4. Berdasarkan hasil optimasi didapat luas tanah optimum dan keuntungan maksimum untuk tiap musim tanam adalah sebagai berikut :
   a. Pada Pola Tata Tanam (PTT) Eksisting luas lahan untuk musim tanam I, II dan III mendapatkan keuntungan maksimum dari PTT Eksisting sebesar Rp 182.360.000.000,- pertahun.
   b. Pada Pola Tata Tanam (PTT) Alternatif I luas lahan untuk musim tanam I, II dan III mendapatkan keuntungan maksimum dari PTT Eksisting sebesar Rp 168.325.480.000,- pertahun.
   c. Pada Pola Tata Tanam (PTT) Alternatif II luas lahan untuk musim tanam I, II dan III mendapatkan keuntungan maksimum dari PTT

Eksisting sebesar Rp 214.962.160.000,- pertahun. Pada PTT alternatif II didapat keuntungan yang optimum.

d. Pada Pola Tata Tanam (PTT) Alternatif III luas lahan untuk musim tanam I , II dan III mendapatkan keuntungan maksimum dari PTT Eksisting sebesar Rp 190.427.060.000,- pertahun.

5. Program linier cukup baik digunakan pada metode optimasi seperti pada permasalahan di skripsi ini dan untuk penyelesaian dibantu Lingo untuk memperoleh keuntungan terbesar.

5.2 Saran

a. Metode optimasi tidak hanya dilakukan dengan alternatif pola tanam tetapi dapat juga dikembangkan dengan alternatif ketersediaan debit yang terbatas.
b. Diperlukan ketelitian yang tinggi dalam memasukan nilai-nilai ke dalam program Lingo.
c. Untuk aplikasi di lapangan hendaknya berhati hati karena dari hasil optimasi memang diperoleh keuntungan yang maksimal dibandingkam dengan sebelum optimasi, namun bila ditinjau dari luas lahan yang dapat di tanami terjadi pengurangan sehingga jika pengaturan pemberian airnya tidak merata dikhawatirkan akan timbul konflik dari pemilik lahan yang tidak dapat ditanami.
d. Perlu ditanamkan kesadaran petani untuk tidak merubah pola tata tanam yang telah ditetapkan.

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LAMPIRAN

Lampiran 1

Tabel.1 Volume Air yang tersedia (Q andalan 80%)

No.	Periode	80% Probability (Dependable Discharge)
1	Januari	19.85
2	Februari	20.27
3	Maret	13.84
4	April	21.13
5	May	12.09
6	June	17.30
7	July	16.38
8	August	14.75
9	September	19.67
10	October	27.85
11	November	19.80
12	December	26.08

Sumber : PPK Irigasi dan Rawa I Balai Wilayah Sumatera VII

Lampiran 2

Tabel 2. Kebutuhan Air Irigasi Selama Penyiapan Lahan

MEo + P Mm/hari	T = 30 hari		T = 45 hari	
	S = 250mm	S = 300 mm	S = 250 mm	S = 300 mm
5.0	12.4	12.9	8.4	9.5
5.5	12.6	13.1	8.7	9.9
6.0	12.9	13.5	9.2	10.1
6.5	13.3	13.9	9.4	10.6
7.0	13.7	14.1	9.9	10.9
7.5	13.9	14.4	10.2	11.2
8.0	14.0	14.8	10.4	11.5
8.5	14.2	15.0	10.7	11.8
9.0	14.4	15.2	11.0	12.0
9.5	14.6	15.6	11.8	12.5
10.0	14.8	15.8	12.1	12.9
10.5	14.9	16.3	12.4	13.5
11.0	15.2	16.8	12.8	13.8

Sumber : PPK Irigasi dan Rawa I Balai Wilayah Sumatera VII

Perhitungan dari Tabel 2

Eo x Eto = 1,1 x 3,72 = 4.092 mm/hari

M = Eo + P = 4,092 + 2 = 6,092 = 6,0 mm/hari

Lampiran 3

Fungsi Tujuan

```
MAX25147720.45X1 + 25147720.45X2 + 25147720.45X3 + 25147720.45X4 +
25147720.45X5 + 25147720.45X6 + 25147720.45X7 + 25147720.45X8 +
25147720.45X9 + 25147720.45X10 + 25147720.45X11 + 25147720.45X12 +
25147720.45X13 + 25147720.45X14 + 25147720.45X15 + 25147720.45X16
+ 25147720.45X17 + 25147720.45X18 + 25147720.45X19 +
25147720.45X20 + 25147720.45X21 + 25147720.45X22 + 25147720.45X23
+ 25147720.45X24 + 25147720.45X25 + 25147720.45X26 +
25147720.45X27 + 25147720.45X28 + 25147720.45X29 + 25147720.45X30
+ 25147720.45X31 + 25147720.45X32 + 25147720.45X33 +
25147720.45X34 + 25147720.45X35 + 25147720.45X36 + 25147720.45X37
+ 25147720.45X38 + 25147720.45X39 + 25147720.45X40 +
25147720.45X41 + 25147720.45X42 + 25147720.45X43 + 25147720.45X44
+ 25147720.45X45 + 25147720.45X46 + 25147720.45X47 +
25147720.45X48 + 25147720.45X49 + 25147720.45X50 + 25147720.45X51
+ 25147720.45X52 + 25147720.45X53 + 25147720.45X54 +
25147720.45X55 + 25147720.45X56 + 25147720.45X57 + 25147720.45X58
+ 25147720.45X59 + 25147720.45X60 + 25147720.45X61 +
25147720.45X62 + 25147720.45X63 + 25147720.45X64 + 25147720.45X65
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25147720.45X69 + 25147720.45X70 + 25147720.45X71 + 25147720.45X72
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25147720.45X76 + 25147720.45X77 + 25147720.45X78 + 25147720.45X79
+ 25147720.45X80 + 25147720.45X81 + 25147720.45X82 +
25147720.45X83 + 25147720.45X84 + 25147720.45X85 + 25147720.45X86
+ 25147720.45X87 + 25147720.45X88 + 25147720.45X89 +
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25147720.45X97 + 25147720.45X98 + 25147720.45X99 + 25147720.45X100
+ 25147720.45X101 + 25147720.45X102 + 25147720.45X103 +
25147720.45X104 + 25147720.45X105 + 25147720.45X106 +
25147720.45X107 + 25147720.45X108 + 25147720.45X109 +
18182053.28X110 + 18182053.28X111 + 18182053.28X112 +
18182053.28X113 + 18182053.28X114 + 18182053.28X115 +
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18182053.28X116 + 18182053.28X117 + 18182053.28X118 +
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18182053.28X140 + 18182053.28X141 + 18182053.28X142 +
18182053.28X143 + 18182053.28X144 + 18182053.28X145 +
18182053.28X146 + 18182053.28X147 + 18182053.28X148 +
18182053.28X149 + 18182053.28X150 + 18182053.28X151 +
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18182053.28X176 + 18182053.28X177 + 18182053.28X178 +
18182053.28X179 + 18182053.28X180 + 18182053.28X181 +
18182053.28X182 + 18182053.28X183 + 18182053.28X184 +
18182053.28X185 + 18182053.28X186 + 18182053.28X187 +
18182053.28X188 + 18182053.28X189 + 18182053.28X190 +
18182053.28X191 + 18182053.28X192 + 18182053.28X193 +
18182053.28X194 + 18182053.28X195 + 18182053.28X196 +
18182053.28X197 + 18182053.28X198 + 18182053.28X199 +
18182053.28X200 + 18182053.28X201 + 18182053.28X202 +
18182053.28X203 + 18182053.28X204 + 18182053.28X205 +
18182053.28X206 + 18182053.28X207 + 18182053.28X208 +
18182053.28X209 + 18182053.28X210 + 18182053.28X211 +
18182053.28X212 + 18182053.28X213 + 18182053.28X214 +
18182053.28X215 + 18182053.28X216 + 18182053.28X217 +
18182053.28X218
```

Lampiran 4

Fungsi Kendala Luas Tanaman

$K13 = X_1 + X_{110} \leq 120$

$K14 = X_2 + X_{111} \leq 15$

$K15 = X_3 + X_{112} \leq 18$

$K16 = X_4 + X_{113} \leq 37$

$K17 = X_5 + X_{114} \leq 41$

$K18 = X_6 + X_{115} \leq 3$

$K19 = X_7 + X_{116} \leq 6$

$K20 = X_8 + X_{117} \leq 41$

$K21 = X_9 + X_{118} \leq 11$

$K22 = X_{10} + X_{119} \leq 43$

$K23 = X_{11} + X_{120} \leq 9$

$K24 = X_{12} + X_{121} \leq 17$

$K25 = X_{13} + X_{122} \leq 29$

$K26 = X_{14} + X_{123} \leq 11$

$K27 = X_{15} + X_{124} \leq 27$

$K28 = X_{16} + X_{125} \leq 94$

$K29 = X_{17} + X_{126} \leq 66$

$K30 = X_{18} + X_{127} \leq 78$

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$K34 = X_{22} + X_{131} \leq 65$

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$K40 = X_{28} + X_{137} \leq 50$

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$K43 = X_{31} + X_{140} \leq 90$

$K44 = X_{32} + X_{141} \leq 125$

$K45 = X_{33} + X_{142} \leq 35$

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$K231 = X_{437} + X_{546} \leq 90\% \times 120$ $K261 = X_{467} + X_{576} \leq 90\% \times 90$

$K232 = X_{438} + X_{547} \leq 90\% \times 15$ $K262 = X_{468} + X_{577} \leq 90\% \times 125$

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K403 = $X_{282} \leq 10\% \times 20$

K404 = $X_{283} \leq 10\% \times 61$

K405 = $X_{284} \leq 10\% \times 95$

K406 = $X_{285} \leq 10\% \times 65$

K407 = $X_{286} \leq 10\% x\ 141$

K408 = $X_{287} \leq 10\% \times 30$

K409 = $X_{288} \leq 10\% \times 42$

K410 = $X_{289} \leq 10\% \times 94$

K411 = $X_{290} \leq 10\% \times 70$

K412 = $X_{291} \leq 10\% \times 80$

K413 = $X_{292} \leq 10\% \times 60$

K414 = $X_{293} \leq 10\% \times 74$

K415 = $X_{294} \leq 10\% \times 120$

K416 = $X_{295} \leq 10\% \times 53$

K417 = $X_{296} \leq 10\% \times 101$

K418 = $X_{297} \leq 10\% \times 42$

K419 = $X_{298} \leq 10\% \times 24$

K420 = $X_{299} \leq 10\% \times 101$

K421 = $X_{300} \leq 10\% \times 104$

K422 = $X_{301} \leq 10\% \times 100$

K423 = $X_{302} \leq 10\% \times 74$

K424 = $X_{303} \leq 10\% \times 88$

K425 = $X_{304} \leq 10\% \times 88$

K426 = $X_{305} \leq 10\% \times 47$

K427 = $X_{306} \leq 10\% \times 88$

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K433 = $X_{312} \leq 10\% \times 38$

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K435 = $X_{314} \leq 10\% \times 91$

K436 = $X_{315} \leq 10\% \times 55$

K437 = $X_{316} \leq 10\% \times 124$

K438 = $X_{317} \leq 10\% \times 35$

K439 = $X_{318} \leq 10\% \times 91$

K440 = $X_{319} \leq 10\% \times 80$

K441 = $X_{320} \leq 10\% \times 58$

K442 = $X_{321} \leq 10\% \times 92$

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K444 = $X_{323} \leq 10\% \times 55$

K445 = $X_{324} \leq 10\% \times 53$

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K447 = $X_{326} \leq 10\% \times 43$

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! EKSISTING MUSIM TANAM I

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+ 25147720.45X5 + 25147720.45X6 + 25147720.45X7 + 25147720.45X8 +
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30.62X208 + 30.62X209 + 30.62X210 + 30.62X211 + 30.62X212 +
30.62X213 + 30.62X214 + 30.62X215 + 30.62X216 + 30.62X217 +
30.62X218 <= 202700

X1 + X110 + X2 + X111 + X3 + X112 + X4 + X113 + X5 + X114 + X6 + X115 + X7 + X116 + X8 + X117 + X9 + X118 + X10 +X119 + X11 + X120 + X12 + X121 + X13 + X122 + X14 + X123 + X15 + X124 + X16 + X125 + X17 + X126 + X18 + X127 + X19 + X128 + X20 + X129 <= 796

X21 + X130 + X22 + X131 + X23 + X132 + X24 + X133 + X25 + X134 + X26 + X135 + X27 + X136 + X28 + X137 + X29 + X138 + X30 + X139 + X31 + X140 + X32 + X141 + X33 + X142 + X34 + X143 + X35 + X144 + X36 + X145 + X37 + X146 + X38 + X147 + X39 + X148 + X40 + X149 <= 1183

X41 + X150 + X42 + X151 + X43 + X152 + X44 + X153 + X45 + X154 + X46 + X155 + X47 + X156 + X48 + X157 + X49 + X158 + X50 + X159 + X51 + X160 + X52 + X161 + X53 + X162 + X54 + X163 + X55 + X164 + X56 + X165 + X57 + X166 + X58 + X167 + X59 + X168 + X60 + X169 <= 1157

X61 + X170 + X62 + X171 + X63 + X172 + X64 + X173 + X65 + X174 + X66 + X175 + X67 + X176 + X68 + X177 + X69 + X178 + X70 + X179 + X71 + X180 + X72 + X181 + X73 + X182 + X74 + X183 + X75 + X184 + X76 + X185 + X77 + X186 + X78 + X187 + X79 + X188 + X80 + X189 <= 1219

X81 + X190 + X82 + X191 + X83 + X192 + X84 + X193 + X85 + X194 + X86 + X195 + X87 + X196 + X88 + X197 + X89 + X198 + X90 + X199 + X91 + X200 + X92 + X201 + X93 + X202 + X94 + X203 + X95 + X204 + X96 + X205 + X97 + X206 + X98 + X207 + X99 + X208 + X100 + X209 + X101 + X210 + X102 + X211 + X103 + X212 + X104 + X213 + X105 + X214 + X106 + X215 + X107 + X216 + X108 + X217 + X109 + X218 <= 2056

X110 <= 12
X111 <= 1.5
X112 <= 1.8
X113 <= 3.7
X114 <= 4.1
X115 <= 0.3
X116 <= 0.6
X117 <= 4.1
X118 <= 1.1
X119 <= 4.3
X120 <= 0.9
X121 <= 1.7
X122 <= 2.9
X123 <= 1.1
X124 <= 2.7
X125 <= 9.4
X126 <= 6.6
X127 <= 7.8
X128 <= 6.4
X129 <= 6.6

X149 <= 2.2
X150 <= 11
X151 <= 12.5
X152 <= 4.1
X153 <= 18
X154 <= 1
X155 <= 9
X156 <= 2.8
X157 <= 10.5
X158 <= 3.4
X159 <= 6.5
X160 <= 4.4
X161 <= 2.2
X162 <= 3.7
X163 <= 4.6
X164 <= 1
X165 <= 3
X166 <= 3.7
X167 <= 4.1
X168 <= 4.3

X188 <= 4.2
X189 <= 2.4
X190 <= 10.1
X191 <= 10.4
X192 <= 10
X193 <= 7.4
X194 <= 8.8
X195 <= 8.8
X196 <= 4.7
X197 <= 8.8
X198 <= 5
X199 <= 7.9
X200 <= 4.5
X201 <= 4.1
X202 <= 4
X203 <= 3.8
X204 <= 13.5
X205 <= 9.1
X206 <= 5.5
X207 <= 12.4

X130 <= 6
X131 <= 6.5
X132 <= 7
X133 <= 4
X134 <= 4
X135 <= 5.6
X136 <= 3
X137 <= 5
X138 <= 10.7
X139 <= 5.1
X140 <= 9
X141 <= 12.5
X142 <= 3.5
X143 <= 13.4
X144 <= 5.2
X145 <= 2.8
X146 <= 5.5
X147 <= 5.3
X148 <= 2

X169 <= 5.9
X170 <= 1
X171 <= 2.7
X172 <= 1
X173 <= 2
X174 <= 6.1
X175 <= 9.5
X176 <= 6.5
X177 <= 14.1
X178 <= 3
X179 <= 4.2
X180 <= 9.4
X181 <= 7
X182 <= 8
X183 <= 6
X184 <= 7.4
X185 <= 12
X186 <= 5.3
X187 <= 10.1

X208 <= 3.5
X209 <= 9.1
X210 <= 8
X211 <= 5.8
X212 <= 9.2
X213 <= 5.2
X214 <= 5.5
X215 <= 5.3
X216 <= 6.8
X217 <= 4.3
X218 <= 4.1

OUTPUT EKSISTING MUSIM TANAM I

Global optimal solution found.
Objective value: 0.9114168E+11
Infeasibilities: 0.000000
Total solver iterations: 7

Variable	Value	Reduced Cost
X1	0.000000	0.3725290E-08
X2	0.000000	0.3725290E-08
X3	0.000000	0.3725290E-08
X4	0.000000	0.3725290E-08
X5	0.000000	0.3725290E-08
X6	0.000000	0.3725290E-08
X7	0.000000	0.3725290E-08
X8	0.000000	0.3725290E-08
X9	0.000000	0.3725290E-08
X10	0.000000	0.3725290E-08
X11	0.000000	0.3725290E-08
X12	0.000000	0.3725290E-08
X13	0.000000	0.3725290E-08
X14	0.000000	0.3725290E-08
X15	0.000000	0.3725290E-08
X16	0.000000	0.3725290E-08
X17	0.000000	0.3725290E-08
X18	0.000000	0.3725290E-08
X19	0.000000	0.3725290E-08
X20	0.000000	0.3725290E-08
X21	0.000000	0.3725290E-08
X22	0.000000	0.3725290E-08
X23	0.000000	0.3725290E-08
X24	0.000000	0.3725290E-08
X25	0.000000	0.3725290E-08
X26	0.000000	0.3725290E-08
X27	0.000000	0.3725290E-08
X28	0.000000	0.3725290E-08
X29	0.000000	0.3725290E-08
X30	0.000000	0.3725290E-08
X31	0.000000	0.3725290E-08
X32	0.000000	0.3725290E-08
X33	0.000000	0.3725290E-08
X34	0.000000	0.3725290E-08
X35	0.000000	0.3725290E-08
X36	0.000000	0.3725290E-08
X37	0.000000	0.3725290E-08
X38	0.000000	0.3725290E-08
X39	0.000000	0.3725290E-08
X40	269.0306	0.3725290E-08
X41	0.000000	0.000000
X42	0.000000	0.000000
X43	0.000000	0.000000
X44	0.000000	0.000000
X45	0.000000	0.000000
X46	0.000000	0.000000
X47	0.000000	0.000000
X48	0.000000	0.000000
X49	0.000000	0.000000
X50	0.000000	0.000000
X51	0.000000	0.000000
X52	0.000000	0.000000
X53	0.000000	0.000000
X54	0.000000	0.000000

X55	0.000000	0.000000
X56	0.000000	0.000000
X57	0.000000	0.000000
X58	0.000000	0.000000
X59	0.000000	0.000000
X60	1041.300	0.000000
X61	0.000000	0.3725290E-08
X62	0.000000	0.3725290E-08
X63	0.000000	0.3725290E-08
X64	0.000000	0.3725290E-08
X65	0.000000	0.3725290E-08
X66	0.000000	0.3725290E-08
X67	0.000000	0.3725290E-08
X68	0.000000	0.3725290E-08
X69	0.000000	0.3725290E-08
X70	0.000000	0.3725290E-08
X71	0.000000	0.3725290E-08
X72	0.000000	0.3725290E-08
X73	0.000000	0.3725290E-08
X74	0.000000	0.3725290E-08
X75	0.000000	0.3725290E-08
X76	0.000000	0.3725290E-08
X77	0.000000	0.3725290E-08
X78	0.000000	0.3725290E-08
X79	0.000000	0.3725290E-08
X80	0.000000	0.3725290E-08
X81	0.000000	0.000000
X82	0.000000	0.000000
X83	0.000000	0.000000
X84	0.000000	0.000000
X85	0.000000	0.000000
X86	0.000000	0.000000
X87	0.000000	0.000000
X88	0.000000	0.000000
X89	0.000000	0.000000
X90	0.000000	0.000000
X91	0.000000	0.000000
X92	0.000000	0.000000
X93	0.000000	0.000000
X94	0.000000	0.000000
X95	0.000000	0.000000
X96	0.000000	0.000000
X97	0.000000	0.000000
X98	0.000000	0.000000
X99	0.000000	0.000000
X100	0.000000	0.000000
X101	0.000000	0.000000
X102	0.000000	0.000000
X103	0.000000	0.000000
X104	0.000000	0.000000
X105	0.000000	0.000000
X106	0.000000	0.000000
X107	0.000000	0.000000
X108	0.000000	0.000000
X109	1850.400	0.000000
X110	12.00000	0.000000
X111	1.500000	0.000000
X112	1.800000	0.000000
X113	3.700000	0.000000
X114	4.100000	0.000000
X115	0.3000000	0.000000
X116	0.6000000	0.000000
X117	4.100000	0.000000

X118	1.100000	0.000000
X119	4.300000	0.000000
X120	0.9000000	0.000000
X121	1.700000	0.000000
X122	2.900000	0.000000
X123	1.100000	0.000000
X124	2.700000	0.000000
X125	9.400000	0.000000
X126	6.600000	0.000000
X127	7.800000	0.000000
X128	6.400000	0.000000
X129	6.600000	0.000000
X130	6.000000	0.000000
X131	6.500000	0.000000
X132	7.000000	0.000000
X133	4.000000	0.000000
X134	4.000000	0.000000
X135	5.600000	0.000000
X136	3.000000	0.000000
X137	5.000000	0.000000
X138	10.70000	0.000000
X139	5.100000	0.000000
X140	9.000000	0.000000
X141	12.50000	0.000000
X142	3.500000	0.000000
X143	13.40000	0.000000
X144	5.200000	0.000000
X145	2.800000	0.000000
X146	5.500000	0.000000
X147	5.300000	0.000000
X148	2.000000	0.000000
X149	2.200000	0.000000
X150	11.00000	0.000000
X151	12.50000	0.000000
X152	4.100000	0.000000
X153	18.00000	0.000000
X154	1.000000	0.000000
X155	9.000000	0.000000
X156	2.800000	0.000000
X157	10.50000	0.000000
X158	3.400000	0.000000
X159	6.500000	0.000000
X160	4.400000	0.000000
X161	2.200000	0.000000
X162	3.700000	0.000000
X163	4.600000	0.000000
X164	1.000000	0.000000
X165	3.000000	0.000000
X166	3.700000	0.000000
X167	4.100000	0.000000
X168	4.300000	0.000000
X169	5.900000	0.000000
X170	1.000000	0.000000
X171	2.700000	0.000000
X172	1.000000	0.000000
X173	2.000000	0.000000
X174	6.100000	0.000000
X175	9.500000	0.000000
X176	6.500000	0.000000
X177	14.10000	0.000000
X178	3.000000	0.000000
X179	4.200000	0.000000
X180	9.400000	0.000000

X181	7.000000	0.000000
X182	8.000000	0.000000
X183	6.000000	0.000000
X184	7.400000	0.000000
X185	12.00000	0.000000
X186	5.300000	0.000000
X187	10.10000	0.000000
X188	4.200000	0.000000
X189	2.400000	0.000000
X190	10.10000	0.000000
X191	10.40000	0.000000
X192	10.00000	0.000000
X193	7.400000	0.000000
X194	8.800000	0.000000
X195	8.800000	0.000000
X196	4.700000	0.000000
X197	8.800000	0.000000
X198	5.000000	0.000000
X199	7.900000	0.000000
X200	4.500000	0.000000
X201	4.100000	0.000000
X202	4.000000	0.000000
X203	3.800000	0.000000
X204	13.50000	0.000000
X205	9.100000	0.000000
X206	5.500000	0.000000
X207	12.40000	0.000000
X208	3.500000	0.000000
X209	9.100000	0.000000
X210	8.000000	0.000000
X211	5.800000	0.000000
X212	9.200000	0.000000
X213	5.200000	0.000000
X214	5.500000	0.000000
X215	5.300000	0.000000
X216	6.800000	0.000000
X217	4.300000	0.000000
X218	4.100000	0.000000

Row	Slack or Surplus	Dual Price
1	0.9114168E+11	1.000000
2	0.000000	434180.3
3	716.4000	0.000000
4	795.6694	0.000000
5	0.000000	-0.3725290E-08
6	1097.100	0.000000
7	0.000000	-0.3725290E-08
8	0.000000	4887454.
9	0.000000	4887454.
10	0.000000	4887454.
11	0.000000	4887454.
12	0.000000	4887454.
13	0.000000	4887454.
14	0.000000	4887454.
15	0.000000	4887454.
16	0.000000	4887454.
17	0.000000	4887454.
18	0.000000	4887454.
19	0.000000	4887454.
20	0.000000	4887454.
21	0.000000	4887454.
22	0.000000	4887454.
23	0.000000	4887454.

24	0.000000	4887454.
25	0.000000	4887454.
26	0.000000	4887454.
27	0.000000	4887454.
28	0.000000	4887454.
29	0.000000	4887454.
30	0.000000	4887454.
31	0.000000	4887454.
32	0.000000	4887454.
33	0.000000	4887454.
34	0.000000	4887454.
35	0.000000	4887454.
36	0.000000	4887454.
37	0.000000	4887454.
38	0.000000	4887454.
39	0.000000	4887454.
40	0.000000	4887454.
41	0.000000	4887454.
42	0.000000	4887454.
43	0.000000	4887454.
44	0.000000	4887454.
45	0.000000	4887454.
46	0.000000	4887454.
47	0.000000	4887454.
48	0.000000	4887454.
49	0.000000	4887454.
50	0.000000	4887454.
51	0.000000	4887454.
52	0.000000	4887454.
53	0.000000	4887454.
54	0.000000	4887454.
55	0.000000	4887454.
56	0.000000	4887454.
57	0.000000	4887454.
58	0.000000	4887454.
59	0.000000	4887454.
60	0.000000	4887454.
61	0.000000	4887454.
62	0.000000	4887454.
63	0.000000	4887454.
64	0.000000	4887454.
65	0.000000	4887454.
66	0.000000	4887454.
67	0.000000	4887454.
68	0.000000	4887454.
69	0.000000	4887454.
70	0.000000	4887454.
71	0.000000	4887454.
72	0.000000	4887454.
73	0.000000	4887454.
74	0.000000	4887454.
75	0.000000	4887454.
76	0.000000	4887454.
77	0.000000	4887454.
78	0.000000	4887454.
79	0.000000	4887454.
80	0.000000	4887454.
81	0.000000	4887454.
82	0.000000	4887454.
83	0.000000	4887454.
84	0.000000	4887454.
85	0.000000	4887454.
86	0.000000	4887454.

87	0.000000	4887454.
88	0.000000	4887454.
89	0.000000	4887454.
90	0.000000	4887454.
91	0.000000	4887454.
92	0.000000	4887454.
93	0.000000	4887454.
94	0.000000	4887454.
95	0.000000	4887454.
96	0.000000	4887454.
97	0.000000	4887454.
98	0.000000	4887454.
99	0.000000	4887454.
100	0.000000	4887454.
101	0.000000	4887454.
102	0.000000	4887454.
103	0.000000	4887454.
104	0.000000	4887454.
105	0.000000	4887454.
106	0.000000	4887454.
107	0.000000	4887454.
108	0.000000	4887454.
109	0.000000	4887454.
110	0.000000	4887454.
111	0.000000	4887454.
112	0.000000	4887454.
113	0.000000	4887454.
114	0.000000	4887454.
115	0.000000	4887454.
116	0.000000	4887454.

! EKSISTING MUSIM TANAM II

MAX 25147720.45X219 + 25147720.45X220 + 25147720.45X221 +
25147720.45X222 + 25147720.45X223 + 25147720.45X224 +
25147720.45X225 + 25147720.45X226 + 25147720.45X227 +
25147720.45X228 + 25147720.45X229 + 25147720.45X230 +
25147720.45X231 + 25147720.45X232 + 25147720.45X233 +
25147720.45X234 + 25147720.45X235 + 25147720.45X236 +
25147720.45X237 + 25147720.45X238 + 25147720.45X239 +
25147720.45X240 + 25147720.45X241 + 25147720.45X242 +
25147720.45X243 + 25147720.45X244 + 25147720.45X245 +
25147720.45X246 + 25147720.45X247 + 25147720.45X248 +
25147720.45X249 + 25147720.45X250 + 25147720.45X251 +
25147720.45X252 + 25147720.45X253 + 25147720.45X254 +
25147720.45X255 + 25147720.45X256 + 25147720.45X257 +
25147720.45X258 + 25147720.45X259 + 25147720.45X260 +
25147720.45X261 + 25147720.45X262 + 25147720.45X263 +
25147720.45X264 + 25147720.45X265 + 25147720.45X266 +
25147720.45X267 + 25147720.45X268 + 25147720.45X269 +
25147720.45X270 + 25147720.45X271 + 25147720.45X272 +
25147720.45X273 + 25147720.45X274 + 25147720.45X275 +
25147720.45X276 + 25147720.45X277 + 25147720.45X278 +
25147720.45X279 + 25147720.45X280 + 25147720.45X281 +
25147720.45X282 + 25147720.45X283 + 25147720.45X284 +
25147720.45X285 + 25147720.45X286 + 25147720.45X287 +
25147720.45X288 + 25147720.45X289 + 25147720.45X290 +
25147720.45X291 + 25147720.45X292 + 25147720.45X293 +
25147720.45X294 + 25147720.45X295 + 25147720.45X296 +
25147720.45X297 + 25147720.45X298 + 25147720.45X299 +
25147720.45X300 + 25147720.45X301 + 25147720.45X302 +
25147720.45X303 + 25147720.45X304 + 25147720.45X305 +
25147720.45X306 + 25147720.45X307 + 25147720.45X308 +
25147720.45X309 + 25147720.45X310 + 25147720.45X311 +
25147720.45X312 + 25147720.45X313 + 25147720.45X314 +
25147720.45X315 + 25147720.45X316 + 25147720.45X317 +
25147720.45X318 + 25147720.45X319 + 25147720.45X320 +
25147720.45X321 + 25147720.45X322 + 25147720.45X323 +
25147720.45X324 + 25147720.45X325 + 25147720.45X326 +
25147720.45X327 + 18182053.28X328 + 18182053.28X329 +
18182053.28X330 + 18182053.28X331 + 18182053.28X332 +
18182053.28X333 +
18182053.28X334 + 18182053.28X335 + 18182053.28X336 +
18182053.28X337 + 18182053.28X338 + 18182053.28X339 +
18182053.28X340 + 18182053.28X341 + 18182053.28X342 +
18182053.28X343 + 18182053.28X344 + 18182053.28X345 +
18182053.28X346 + 18182053.28X347 + 18182053.28X348 +
18182053.28X349 + 18182053.28X350 + 18182053.28X351 +
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18182053.28X354 + 18182053.28X355 + 18182053.28X356 +
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18182053.28X360 + 18182053.28X361 + 18182053.28X362 +
18182053.28X363 + 18182053.28X364 + 18182053.28X365 +
18182053.28X366 + 18182053.28X367 + 18182053.28X368 +
18182053.28X369 + 18182053.28X370 + 18182053.28X371 +
18182053.28X372 + 18182053.28X373 +

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18182053.28X374 + 18182053.28X375 + 18182053.28X376 +
18182053.28X377 + 18182053.28X378 + 18182053.28X379 +
18182053.28X380 + 18182053.28X381 + 18182053.28X382 +
18182053.28X383 + 18182053.28X384 + 18182053.28X385 +
18182053.28X386 + 18182053.28X387 + 18182053.28X388 +
18182053.28X389 + 18182053.28X390 + 18182053.28X391 +
18182053.28X392 + 18182053.28X393 +
18182053.28X394 + 18182053.28X395 + 18182053.28X396 +
18182053.28X397 + 18182053.28X398 + 18182053.28X399 +
18182053.28X400 + 18182053.28X401 + 18182053.28X402 +
18182053.28X403 + 18182053.28X404 + 18182053.28X405 +
18182053.28X406 + 18182053.28X407 + 18182053.28X408 +
18182053.28X409 + 18182053.28X410 + 18182053.28X411 +
18182053.28X412 + 18182053.28X413 +
18182053.28X414 + 18182053.28X415 + 18182053.28X416 +
18182053.28X417 + 18182053.28X418 + 18182053.28X419 +
18182053.28X420 + 18182053.28X421 + 18182053.28X422 +
18182053.28X423 + 18182053.28X424 + 18182053.28X425 +
18182053.28X426 + 18182053.28X427 + 18182053.28X428 +
18182053.28X429 + 18182053.28X430 + 18182053.28X431 +
18182053.28X432 + 18182053.28X433 +
18182053.28X434 + 18182053.28X435 + 18182053.28X436

st
48.46X219 + 48.46X220 + 48.46X221 + 48.46X222 + 48.46X223 +
48.46X224 + 48.46X225 + 48.46X226 + 48.46X227 + 48.46X228 +
48.46X229 + 48.46X230 + 48.46X231 + 48.46X232 + 48.46X233 +
48.46X234 + 48.46X235 + 48.46X236 + 48.46X237 + 48.46X238 +
48.46X239 + 48.46X240 + 48.46X241 + 48.46X242 + 48.46X243 +
48.46X244 + 48.46X245 + 48.46X246 + 48.46X247 + 48.46X248 +
48.46X249 + 48.46X250 + 48.46X251 + 48.46X252 + 48.46X253 +
48.46X254 + 48.46X255 + 48.46X256 + 48.46X257 + 48.46X258 +
48.46X259 + 48.46X260 + 48.46X261 + 48.46X262 + 48.46X263 +
48.46X264 + 48.46X265 + 48.46X266 + 48.46X267 + 48.46X268 +
48.46X269 + 48.46X270 + 48.46X271 + 48.46X272 + 48.46X273 +
48.46X274 + 48.46X275 + 48.46X276 + 48.46X277 + 48.46X278 +
48.46X279 + 48.46X280 + 48.46X281 + 48.46X282 + 48.46X283 +
48.46X284 + 48.46X285 + 48.46X286 + 48.46X287 + 48.46X288 +
48.46X289 + 48.46X290 + 48.46X291 + 48.46X292 + 48.46X293 +
48.46X294 + 48.46X295 + 48.46X296 + 48.46X297 + 48.46X298 +
48.46X299 + 48.46X300 + 48.46X301 + 48.46X302 + 48.46X303 +
48.46X304 + 48.46X305 + 48.46X306 + 48.46X307 + 48.46X308 +
48.46X309 + 48.46X310 + 48.46X311 + 48.46X312 + 48.46X313 +
48.46X314 + 48.46X315 + 48.46X316 + 48.46X317 + 48.46X318 +
48.46X319 + 48.46X320 + 48.46X321 + 48.46X322 + 48.46X323 +
48.46X324 + 48.46X325 + 48.46X326 + 48.46X327 + 40.08X328 +
40.08X329 + 40.08X330 + 40.08X331 + 40.08X332 + 40.08X333 +
40.08X334 + 40.08X335 + 40.08X336 + 40.08X337 + 40.08X338 +
40.08X339 + 40.08X340 + 40.08X341 + 40.08X342 + 40.08X343 +
40.08X344 + 40.08X345 + 40.08X346 + 40.08X347 + 40.08X348 +
40.08X349 + 40.08X350 + 40.08X351 + 40.08X352 + 40.08X353 +
40.08X354 + 40.08X355 + 40.08X356 + 40.08X357 + 40.08X358 +
40.08X359 + 40.08X360 + 40.08X361 + 40.08X362 + 40.08X363 +
40.08X364 + 40.08X365 + 40.08X366 + 40.08X367 + 40.08X368 +
40.08X369 + 40.08X370 + 40.08X371 + 40.08X372 + 40.08X373 +
40.08X374 + 40.08X375 + 40.08X376 + 40.08X377 + 40.08X378 +
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40.08X379 + 40.08X380 + 40.08X381 + 40.08X382 + 40.08X383 +
40.08X384 + 40.08X385 + 40.08X386 + 40.08X387 + 40.08X388 +
40.08X389 + 40.08X390 + 40.08X391 + 40.08X392 + 40.08X393 +
40.08X394 + 40.08X395 + 40.08X396 + 40.08X397 + 40.08X398 +
40.08X399 + 40.08X400 + 40.08X401 + 40.08X402 + 40.08X403 +
40.08X404 + 40.08X405 + 40.08X406 + 40.08X407 + 40.08X408 +
40.08X409 + 40.08X410 + 40.08X411 + 40.08X412 + 40.08X413 +
40.08X414 + 40.08X415 + 40.08X416 + 40.08X417 + 40.08X418 +
40.08X419 + 40.08X420 + 40.08X421 + 40.08X422 + 40.08X423 +
40.08X424 + 40.08X425 + 40.08X426 + 40.08X427 + 40.08X428 +
40.08X429 + 40.08X430 + 40.08X431 + 40.08X432 + 40.08X433 +
40.08X434 + 40.08X435 + 40.08X436 <= 173000

X219 + X328 + X220 + X329 + X221 + X330 + X222 + X331 + X223 +
X332 + X224 + X333 + X225 + X334 + X226 + X335 + X227 + X336 +
X228 + X337 + X229 + X338 + X230 + X339 + X231 + X340 + X232 +
X341 + X233 + X342 + X234 + X343 + X235 + X344 + X236 + X345 +
X237 + X346 + X238 + X347 <= 796

X239 + X348 + X240 + X349 + X241 + X350 + X242 + X351 + X243 +
X352 + X244 + X353 + X245 + X354 + X246 + X355 + X247 + X356 +
X248 + X357 + X249 + X358 + X250 + X359 + X251 + X360 + X252 +
X361 + X253 + X362 + X254 + X363 + X255 + X364 + X256 + X365 +
X257 + X366 + X258 + X367 <= 1183

X259 + X368 + X260 + X369 + X261 + X370 + X262 + X371 + X263 +
X372 + X264 + X373 + X265 + X374 + X266 + X375 + X267 + X376 +
X268 + X377 + X269 + X378 + X270 + X379 + X271 + X380 + X272 +
X381 + X273 + X382 + X274 + X383 + X275 + X384 + X276 + X385 +
X277 + X386 + X278 + X387 <= 1157

X279 + X388 + X280 + X389 + X281 + X390 + X282 + X391 + X283 +
X392 + X284 + X393 + X285 + X394 + X286 + X395 + X287 + X396 +
X288 + X397 + X289 + X398 + X290 + X399 + X291 + X400 + X292 +
X401 + X293 + X402 + X294 + X403 + X295 + X404 + X296 + X405 +
X297 + X406 + X298 + X407 <= 1219

X299 + X408 + X300 + X409 + X301 + X410 + X302 + X411 + X303 +
X412 + X304 + X413 + X305 + X414 + X306 + X415 + X307 + X416 +
X308 + X417 + X309 + X418 + X310 + X419 + X311 + X420 + X312 +
X421 + X313 + X422 + X314 + X423 + X315 + X424 + X316 + X425 +
X317 + X426 + X318 + X427 + X319 + X428 + X320 + X429 + X321 +
X430 + X322 + X431 + X323 + X432 + X324 + X433 + X325 + X434 +
X326 + X435 + X327 + X436 <= 2056

X328 <= 12
X329 <= 1.5
X330 <= 1.8
X331 <= 3.7
X332 <= 4.1
X333 <= 0.3
X334 <= 0.6

X367 <= 2.2
X368 <= 11
X369 <= 12.5
X370 <= 4.1
X371 <= 18
X372 <= 1
X373 <= 9

X406 <= 4.2
X407 <= 2.4
X408 <= 10.1
X409 <= 10.4
X410 <= 10
X411 <= 7.4
X412 <= 8.8

X335 <= 4.1
X336 <= 1.1
X337 <= 4.3
X338 <= 0.9
X339 <= 1.7
X340 <= 2.9
X341 <= 1.1
X342 <= 2.7
X343 <= 9.4
X344 <= 6.6
X345 <= 7.8
X346 <= 6.4
X347 <= 6.6
X348 <= 6
X349 <= 6.5
X350 <= 7
X351 <= 4
X352 <= 4
X353 <= 5.6
X354 <= 3
X355 <= 5
X356 <= 10.7
X357 <= 5.1
X358 <= 9
X359 <= 12.5
X360 <= 3.5
X361 <= 13.4
X362 <= 5.2
X363 <= 2.8
X364 <= 5.5
X365 <= 5.3
X366 <= 2
X374 <= 2.8
X375 <= 10.5
X376 <= 3.4
X377 <= 6.5
X378 <= 4.4
X379 <= 2.2
X380 <= 3.7
X381 <= 4.6
X382 <= 1
X383 <= 3
X384 <= 3.7
X385 <= 4.1
X386 <= 4.3
X387 <= 5.9
X388 <= 1
X389 <= 2.7
X390 <= 1
X391 <= 2
X392 <= 6.1
X393 <= 9.5
X394 <= 6.5
X395 <= 14.1
X396 <= 3
X397 <= 4.2
X398 <= 9.4
X399 <= 7
X400 <= 8
X401 <= 6
X402 <= 7.4
X403 <= 12
X404 <= 5.3
X405 <= 10.1
X413 <= 8.8
X414 <= 4.7
X415 <= 8.8
X416 <= 5
X417 <= 7.9
X418 <= 4.5
X419 <= 4.1
X420 <= 4
X421 <= 3.8
X422 <= 13.5
X423 <= 9.1
X424 <= 5.5
X425 <= 12.4
X426 <= 3.5
X427 <= 9.1
X428 <= 8
X429 <= 5.8
X430 <= 9.2
X431 <= 5.2
X432 <= 5.5
X433 <= 5.3
X434 <= 6.8
X435 <= 4.3
X436 <= 4.1

OUTPUT EKSISTING MUSIM TANAM II

Global optimal solution found.
Objective value: 0.8977622E+11
Infeasibilities: 0.000000
Total solver iterations: 7

Variable	Value	Reduced Cost
X219	0.000000	0.000000
X220	0.000000	0.000000
X221	0.000000	0.000000
X222	0.000000	0.000000
X223	0.000000	0.000000
X224	0.000000	0.000000
X225	0.000000	0.000000
X226	0.000000	0.000000
X227	0.000000	0.000000
X228	0.000000	0.000000
X229	0.000000	0.000000
X230	0.000000	0.000000
X231	0.000000	0.000000
X232	0.000000	0.000000
X233	0.000000	0.000000
X234	0.000000	0.000000
X235	0.000000	0.000000
X236	0.000000	0.000000
X237	0.000000	0.000000
X238	0.000000	0.000000
X239	0.000000	0.000000
X240	0.000000	0.000000
X241	0.000000	0.000000
X242	0.000000	0.000000
X243	0.000000	0.000000
X244	0.000000	0.000000
X245	0.000000	0.000000
X246	0.000000	0.000000
X247	0.000000	0.000000
X248	0.000000	0.000000
X249	0.000000	0.000000
X250	0.000000	0.000000
X251	0.000000	0.000000
X252	0.000000	0.000000
X253	0.000000	0.000000
X254	0.000000	0.000000
X255	0.000000	0.000000
X256	0.000000	0.000000
X257	0.000000	0.000000
X258	0.000000	0.000000
X259	0.000000	0.000000
X260	0.000000	0.000000
X261	0.000000	0.000000
X262	0.000000	0.000000
X263	0.000000	0.000000
X264	0.000000	0.000000
X265	0.000000	0.000000
X266	0.000000	0.000000
X267	0.000000	0.000000
X268	0.000000	0.000000
X269	0.000000	0.000000
X270	0.000000	0.000000
X271	0.000000	0.000000
X272	0.000000	0.000000

X273	0.000000	0.000000
X274	0.000000	0.000000
X275	0.000000	0.000000
X276	0.000000	0.000000
X277	0.000000	0.000000
X278	294.9546	0.000000
X279	0.000000	0.000000
X280	0.000000	0.000000
X281	0.000000	0.000000
X282	0.000000	0.000000
X283	0.000000	0.000000
X284	0.000000	0.000000
X285	0.000000	0.000000
X286	0.000000	0.000000
X287	0.000000	0.000000
X288	0.000000	0.000000
X289	0.000000	0.000000
X290	0.000000	0.000000
X291	0.000000	0.000000
X292	0.000000	0.000000
X293	0.000000	0.000000
X294	0.000000	0.000000
X295	0.000000	0.000000
X296	0.000000	0.000000
X297	0.000000	0.000000
X298	1219.000	0.000000
X299	0.000000	0.000000
X300	0.000000	0.000000
X301	0.000000	0.000000
X302	0.000000	0.000000
X303	0.000000	0.000000
X304	0.000000	0.000000
X305	0.000000	0.000000
X306	0.000000	0.000000
X307	0.000000	0.000000
X308	0.000000	0.000000
X309	0.000000	0.000000
X310	0.000000	0.000000
X311	0.000000	0.000000
X312	0.000000	0.000000
X313	0.000000	0.000000
X314	0.000000	0.000000
X315	0.000000	0.000000
X316	0.000000	0.000000
X317	0.000000	0.000000
X318	0.000000	0.000000
X319	0.000000	0.000000
X320	0.000000	0.000000
X321	0.000000	0.000000
X322	0.000000	0.000000
X323	0.000000	0.000000
X324	0.000000	0.000000
X325	0.000000	0.000000
X326	0.000000	0.000000
X327	2056.000	0.000000
X328	0.000000	2616969.
X329	0.000000	2616969.
X330	0.000000	2616969.
X331	0.000000	2616969.
X332	0.000000	2616969.
X333	0.000000	2616969.
X334	0.000000	2616969.
X335	0.000000	2616969.

X336	0.000000	2616969.
X337	0.000000	2616969.
X338	0.000000	2616969.
X339	0.000000	2616969.
X340	0.000000	2616969.
X341	0.000000	2616969.
X342	0.000000	2616969.
X343	0.000000	2616969.
X344	0.000000	2616969.
X345	0.000000	2616969.
X346	0.000000	2616969.
X347	0.000000	2616969.
X348	0.000000	2616969.
X349	0.000000	2616969.
X350	0.000000	2616969.
X351	0.000000	2616969.
X352	0.000000	2616969.
X353	0.000000	2616969.
X354	0.000000	2616969.
X355	0.000000	2616969.
X356	0.000000	2616969.
X357	0.000000	2616969.
X358	0.000000	2616969.
X359	0.000000	2616969.
X360	0.000000	2616969.
X361	0.000000	2616969.
X362	0.000000	2616969.
X363	0.000000	2616969.
X364	0.000000	2616969.
X365	0.000000	2616969.
X366	0.000000	2616969.
X367	0.000000	2616969.
X368	0.000000	2616969.
X369	0.000000	2616969.
X370	0.000000	2616969.
X371	0.000000	2616969.
X372	0.000000	2616969.
X373	0.000000	2616969.
X374	0.000000	2616969.
X375	0.000000	2616969.
X376	0.000000	2616969.
X377	0.000000	2616969.
X378	0.000000	2616969.
X379	0.000000	2616969.
X380	0.000000	2616969.
X381	0.000000	2616969.
X382	0.000000	2616969.
X383	0.000000	2616969.
X384	0.000000	2616969.
X385	0.000000	2616969.
X386	0.000000	2616969.
X387	0.000000	2616969.
X388	0.000000	2616969.
X389	0.000000	2616969.
X390	0.000000	2616969.
X391	0.000000	2616969.
X392	0.000000	2616969.
X393	0.000000	2616969.
X394	0.000000	2616969.
X395	0.000000	2616969.
X396	0.000000	2616969.
X397	0.000000	2616969.
X398	0.000000	2616969.

X399	0.000000	2616969.
X400	0.000000	2616969.
X401	0.000000	2616969.
X402	0.000000	2616969.
X403	0.000000	2616969.
X404	0.000000	2616969.
X405	0.000000	2616969.
X406	0.000000	2616969.
X407	0.000000	2616969.
X408	0.000000	2616969.
X409	0.000000	2616969.
X410	0.000000	2616969.
X411	0.000000	2616969.
X412	0.000000	2616969.
X413	0.000000	2616969.
X414	0.000000	2616969.
X415	0.000000	2616969.
X416	0.000000	2616969.
X417	0.000000	2616969.
X418	0.000000	2616969.
X419	0.000000	2616969.
X420	0.000000	2616969.
X421	0.000000	2616969.
X422	0.000000	2616969.
X423	0.000000	2616969.
X424	0.000000	2616969.
X425	0.000000	2616969.
X426	0.000000	2616969.
X427	0.000000	2616969.
X428	0.000000	2616969.
X429	0.000000	2616969.
X430	0.000000	2616969.
X431	0.000000	2616969.
X432	0.000000	2616969.
X433	0.000000	2616969.
X434	0.000000	2616969.
X435	0.000000	2616969.
X436	0.000000	2616969.

Row	Slack or Surplus	Dual Price
1	0.8977622E+11	1.000000
2	0.000000	518937.7
3	796.0000	0.000000
4	1183.000	0.000000
5	862.0454	0.000000
6	0.000000	0.000000
7	0.000000	0.000000
8	12.00000	0.000000
9	2.200000	0.000000
10	4.200000	0.000000
11	1.500000	0.000000
12	11.00000	0.000000
13	2.400000	0.000000
14	1.800000	0.000000
15	12.50000	0.000000
16	10.10000	0.000000
17	3.700000	0.000000
18	4.100000	0.000000
19	10.40000	0.000000
20	4.100000	0.000000
21	18.00000	0.000000
22	10.00000	0.000000
23	0.3000000	0.000000
24	1.000000	0.000000
25	7.400000	0.000000
26	0.6000000	0.000000
27	9.000000	0.000000
28	8.800000	0.000000
29	4.100000	0.000000
30	2.800000	0.000000
31	8.800000	0.000000
32	1.100000	0.000000
33	10.50000	0.000000
34	4.700000	0.000000
35	4.300000	0.000000
36	3.400000	0.000000
37	8.800000	0.000000
38	0.9000000	0.000000
39	6.500000	0.000000
40	5.000000	0.000000
41	1.700000	0.000000
42	4.400000	0.000000
43	7.900000	0.000000
44	2.900000	0.000000
45	2.200000	0.000000
46	4.500000	0.000000
47	1.100000	0.000000
48	3.700000	0.000000
49	4.100000	0.000000
50	2.700000	0.000000
51	4.600000	0.000000
52	4.000000	0.000000
53	9.400000	0.000000
54	1.000000	0.000000
55	3.800000	0.000000
56	6.600000	0.000000
57	3.000000	0.000000
58	13.50000	0.000000
59	7.800000	0.000000
60	3.700000	0.000000
61	9.100000	0.000000
62	6.400000	0.000000

63	4.100000	0.000000
64	5.500000	0.000000
65	6.600000	0.000000
66	4.300000	0.000000
67	12.40000	0.000000
68	6.000000	0.000000
69	5.900000	0.000000
70	3.500000	0.000000
71	6.500000	0.000000
72	1.000000	0.000000
73	9.100000	0.000000
74	7.000000	0.000000
75	2.700000	0.000000
76	8.000000	0.000000
77	4.000000	0.000000
78	1.000000	0.000000
79	5.800000	0.000000
80	4.000000	0.000000
81	2.000000	0.000000
82	9.200000	0.000000
83	5.600000	0.000000
84	6.100000	0.000000
85	5.200000	0.000000
86	3.000000	0.000000
87	9.500000	0.000000
88	5.500000	0.000000
89	5.000000	0.000000
90	6.500000	0.000000
91	5.300000	0.000000
92	10.70000	0.000000
93	14.10000	0.000000
94	6.800000	0.000000
95	5.100000	0.000000
96	3.000000	0.000000
97	4.300000	0.000000
98	9.000000	0.000000
99	4.200000	0.000000
100	4.100000	0.000000
101	12.50000	0.000000
102	9.400000	0.000000
103	3.500000	0.000000
104	7.000000	0.000000
105	13.40000	0.000000
106	8.000000	0.000000
107	5.200000	0.000000
108	6.000000	0.000000
109	2.800000	0.000000
110	7.400000	0.000000
111	5.500000	0.000000
112	12.00000	0.000000
113	5.300000	0.000000
114	5.300000	0.000000
115	2.000000	0.000000
116	10.10000	0.000000

! EKSISTING MUSIM TANAM III

MAX 25147720.45X437 + 25147720.45X438 + 25147720.45X439 +
25147720.45X440 + 25147720.45X441 + 25147720.45X442 +
25147720.45X443 + 25147720.45X444 + 25147720.45X445 +
25147720.45X446 + 25147720.45X447 + 25147720.45X448 +
25147720.45X449 + 25147720.45X450 + 25147720.45X451 +
25147720.45X452 + 25147720.45X453 + 25147720.45X454 +
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25147720.45X458 + 25147720.45X459 + 25147720.45X460 +
25147720.45X461 + 25147720.45X462 + 25147720.45X463 +
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18182053.28X569 + 18182053.28X570 + 18182053.28X571 +
18182053.28X572 + 18182053.28X573 + 18182053.28X574 +
18182053.28X575 + 18182053.28X576 + 18182053.28X577 +
18182053.28X578 + 18182053.28X579 + 18182053.28X580 +
18182053.28X581 + 18182053.28X582 + 18182053.28X583 +
18182053.28X584 + 18182053.28X585 + 18182053.28X586 +
18182053.28X587 + 18182053.28X588 + 18182053.28X589 +
18182053.28X590 + 18182053.28X591 + 18182053.28X592 +
18182053.28X593 + 18182053.28X594 + 18182053.28X595 +
18182053.28X596 + 18182053.28X597 + 18182053.28X598 +

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18182053.28X599 + 18182053.28X600 + 18182053.28X601 +
18182053.28X602 + 18182053.28X603 + 18182053.28X604 +
18182053.28X605 + 18182053.28X606 + 18182053.28X607 +
18182053.28X608 + 18182053.28X609 + 18182053.28X610 +
18182053.28X611 + 18182053.28X612 + 18182053.28X613 +
18182053.28X614 + 18182053.28X615 + 18182053.28X616 +
18182053.28X617 + 18182053.28X618 + 18182053.28X619 +
18182053.28X620 + 18182053.28X621 + 18182053.28X622 +
18182053.28X623 + 18182053.28X624 + 18182053.28X625 +
18182053.28X626 + 18182053.28X627 + 18182053.28X628 +
18182053.28X629 + 18182053.28X630 + 18182053.28X631 +
18182053.28X632 + 18182053.28X633 + 18182053.28X634 +
18182053.28X635 + 18182053.28X636 + 18182053.28X637 +
18182053.28X638 + 18182053.28X639 + 18182053.28X640 +
18182053.28X641 + 18182053.28X642 + 18182053.28X643 +
18182053.28X644 + 18182053.28X645 + 18182053.28X646 +
18182053.28X647 + 18182053.28X648 + 18182053.28X649 +
18182053.28X650 + 18182053.28X651 + 18182053.28X652 +
18182053.28X653 + 18182053.28X654


st
0.000X437 + 0.000X438 + 0.000X439 + 0.000X440 + 0.000X441 +
0.000X442 + 0.000X443 + 0.000X444 + 0.000X445 + 0.000X446 +
0.000X447 + 0.000X448 + 0.000X449 + 0.000X450 + 0.000X451 +
0.000X452 + 0.000X453 + 0.000X454 + 0.000X455 + 0.000X456 +
0.000X457 + 0.000X458 + 0.000X459 + 0.000X460 + 0.000X461 +
0.000X462 + 0.000X463 + 0.000X464 + 0.000X465 + 0.000X466 +
0.000X467 + 0.000X468 + 0.000X469 + 0.000X470 + 0.000X471 +
0.000X472 + 0.000X473 + 0.000X474 + 0.000X475 + 0.000X476 +
0.000X477 + 0.000X478 + 0.000X479 + 0.000X480 + 0.000X481 +
0.000X482 + 0.000X483 + 0.000X484 + 0.000X485 + 0.000X486 +
0.000X487 + 0.000X488 + 0.000X489 + 0.000X490 + 0.000X491 +
0.000X492 + 0.000X493 + 0.000X494 + 0.000X495 + 0.000X496 +
0.000X497 + 0.000X498 + 0.000X499 + 0.000X500 + 0.000X501 +
0.000X502 + 0.000X503 + 0.000X504 + 0.000X505 + 0.000X506 +
0.000X507 + 0.000X508 + 0.000X509 + 0.000X510 + 0.000X511 +
0.000X512 + 0.000X513 + 0.000X514 + 0.000X515 + 0.000X516 +
0.000X517 + 0.000X518 + 0.000X519 + 0.000X520 + 0.000X521 +
0.000X522 + 0.000X523 + 0.000X524 + 0.000X525 + 0.000X526 +
0.000X527 + 0.000X528 + 0.000X529 + 0.000X530 + 0.000X531 +
0.000X532 + 0.000X533 + 0.000X534 + 0.000X535 + 0.000X536 +
0.000X537 + 0.000X538 + 0.000X539 + 0.000X540 + 0.000X541 +
0.000X542 + 0.000X543 + 0.000X544 + 0.000X545 + 34.69X546 +
34.69X547 + 34.69X548 + 34.69X549 + 34.69X550 + 34.69X551 +
34.69X552 + 34.69X553 + 34.69X554 + 34.69X555 + 34.69X556 +
34.69X557 + 34.69X558 + 34.69X559 + 34.69X560 + 34.69X561 +
34.69X562 + 34.69X563 + 34.69X564 + 34.69X565 + 34.69X566 +
34.69X567 + 34.69X568 + 34.69X569 + 34.69X570 + 34.69X571 +
34.69X572 + 34.69X573 + 34.69X574 + 34.69X575 + 34.69X576 +
34.69X577 + 34.69X578 + 34.69X579 + 34.69X580 + 34.69X581 +
34.69X582 + 34.69X583 + 34.69X584 + 34.69X585 + 34.69X586 +
34.69X587 + 34.69X588 + 34.69X589 + 34.69X590 + 34.69X591 +
34.69X592 + 34.69X593 + 34.69X594 + 34.69X595 + 34.69X596 +
34.69X597 + 34.69X598 + 34.69X599 + 34.69X600 + 34.69X601 +
```

34.69X602 + 34.69X603 + 34.69X604 + 34.69X605 + 34.69X606 +
34.69X607 + 34.69X608 + 34.69X609 + 34.69X610 + 34.69X611 +
34.69X612 + 34.69X613 + 34.69X614 + 34.69X615 + 34.69X616 +
34.69X617 + 34.69X618 + 34.69X619 + 34.69X620 + 34.69X621 +
34.69X622 + 34.69X623 + 34.69X624 + 34.69X625 + 34.69X626 +
34.69X627 + 34.69X628 + 34.69X629 + 34.69X630 + 34.69X631 +
34.69X632 + 34.69X633 + 34.69X634 + 34.69X635 + 34.69X636 +
34.69X637 + 34.69X638 + 34.69X639 + 34.69X640 + 34.69X641 +
34.69X642 + 34.69X643 + 34.69X644 + 34.69X645 + 34.69X646 +
34.69X647 + 34.69X648 + 34.69X649 + 34.69X650 + 34.69X651 +
34.69X652 + 34.69X653 + 34.69X654 <= 278500

X437 + X546 + X438 + X547 + X439 + X548 + X440 + X549 + X441 +
X550 + X442 + X551 + X443 + X552 + X444 + X553 + X445 + X554 +
X446 + X555 + X447 + X556 + X448 + X557 + X449 + X558 + X450 +
X559 + X451 + X560 + X452 + X561 + X453 + X562 + X454 + X563 +
X455 + X564 + X456 + X565 <= 7.164

X457 + X566 + X458 + X567 + X459 + X568 + X460 + X569 + X461 +
X570 + X462 + X571 + X463 + X572 + X464 + X573 + X465 + X574 +
X466 + X575 + X467 + X576 + X468 + X577 + X469 + X578 + X470 +
X579 + X471 + X580 + X472 + X581 + X473 + X582 + X474 + X583 +
X475 + X584 + X476 + X585 <= 10.647

X477 + X586 + X478 + X587 + X479 + X588 + X480 + X589 + X481 +
X590 + X482 + X591 + X483 + X592 + X484 + X593 + X485 + X594 +
X486 + X595 + X487 + X596 + X488 + X597 + X489 + X598 + X490 +
X599 + X491 + X600 + X492 + X601 + X493 + X602 + X494 + X603 +
X495 + X604 + X496 + X605 <= 10.413

X497 + X606 + X498 + X607 + X499 + X608 + X500 + X609 + X501 +
X610 + X502 + X611 + X503 + X612 + X504 + X613 + X505 + X614 +
X506 + X615 + X507 + X616 + X508 + X617 + X509 + X618 + X510 +
X619 + X511 + X620 + X512 + X621 + X513 + X622 + X514 + X623 +
X515 + X624 + X516 + X625 <= 10.971

X517 + X626 + X518 + X627 + X519 + X628 + X520 + X629 + X521 +
X630 + X522 + X631 + X523 + X632 + X524 + X633 + X525 + X634 +
X526 + X635 + X527 + X636 + X528 + X637 + X529 + X638 + X530 +
X639 + X531 + X640 + X532 + X641 + X533 + X642 + X534 + X643 +
X535 + X644 + X536 + X645 + X537 + X646 + X538 + X647 + X539 +
X648 + X540 + X649 + X541 + X650 + X542 + X651 + X543 + X652 +
X544 + X653 + X545 + X654 <= 18.504

X546 <= 0
X547 <= 0
X548 <= 0
X549 <= 0
X550 <= 0
X551 <= 0
X552 <= 0
X553 <= 0
X554 <= 0
X585 <= 0
X586 <= 0
X587 <= 0
X588 <= 0
X589 <= 0
X590 <= 0
X591 <= 0
X592 <= 0
X593 <= 0
X624 <= 0
X625 <= 0
X626 <= 0
X627 <= 0
X628 <= 0
X629 <= 0
X630 <= 0
X631 <= 0
X632 <= 0

X555 <= 0
X556 <= 0
X557 <= 0
X558 <= 0
X559 <= 0
X560 <= 0
X561 <= 0
X562 <= 0
X563 <= 0
X564 <= 0
X565 <= 0
X566 <= 0
X567 <= 0
X568 <= 0
X569 <= 0
X570 <= 0
X571 <= 0
X572 <= 0
X573 <= 0
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X575 <= 0
X576 <= 0
X577 <= 0
X578 <= 0
X579 <= 0
X580 <= 0
X581 <= 0
X582 <= 0
X583 <= 0
X584 <= 0
X594 <= 0
X595 <= 0
X596 <= 0
X597 <= 0
X598 <= 0
X599 <= 0
X600 <= 0
X601 <= 0
X602 <= 0
X603 <= 0
X604 <= 0
X605 <= 0
X606 <= 0
X607 <= 0
X608 <= 0
X609 <= 0
X610 <= 0
X611 <= 0
X612 <= 0
X613 <= 0
X614 <= 0
X615 <= 0
X616 <= 0
X617 <= 0
X618 <= 0
X619 <= 0
X620 <= 0
X621 <= 0
X622 <= 0
X623 <= 0
X633 <= 0
X634 <= 0
X635 <= 0
X636 <= 0
X637 <= 0
X638 <= 0
X639 <= 0
X640 <= 0
X641 <= 0
X642 <= 0
X643 <= 0
X644 <= 0
X645 <= 0
X646 <= 0
X647 <= 0
X648 <= 0
X649 <= 0
X650 <= 0
X651 <= 0
X652 <= 0
X653 <= 0
X654 <= 0

OUTPUT EKSISTING MUSIM TANAM III

Global optimal solution found.
Objective value: 0.1450998E+10
Infeasibilities: 0.000000
Total solver iterations: 0

Variable	Value	Reduced Cost
X437	0.000000	0.000000
X438	0.000000	0.000000
X439	0.000000	0.000000
X440	0.000000	0.000000
X441	0.000000	0.000000
X442	0.000000	0.000000
X443	0.000000	0.000000
X444	0.000000	0.000000
X445	0.000000	0.000000
X446	0.000000	0.000000
X447	0.000000	0.000000
X448	0.000000	0.000000
X449	0.000000	0.000000
X450	0.000000	0.000000
X451	0.000000	0.000000
X452	0.000000	0.000000
X453	0.000000	0.000000
X454	0.000000	0.000000
X455	0.000000	0.000000
X456	7.164000	0.000000
X457	0.000000	0.000000
X458	0.000000	0.000000
X459	0.000000	0.000000
X460	0.000000	0.000000
X461	0.000000	0.000000
X462	0.000000	0.000000
X463	0.000000	0.000000
X464	0.000000	0.000000
X465	0.000000	0.000000
X466	0.000000	0.000000
X467	0.000000	0.000000
X468	0.000000	0.000000
X469	0.000000	0.000000
X470	0.000000	0.000000
X471	0.000000	0.000000
X472	0.000000	0.000000
X473	0.000000	0.000000
X474	0.000000	0.000000
X475	0.000000	0.000000
X476	10.64700	0.000000
X477	0.000000	0.000000
X478	0.000000	0.000000
X479	0.000000	0.000000
X480	0.000000	0.000000
X481	0.000000	0.000000
X482	0.000000	0.000000
X483	0.000000	0.000000
X484	0.000000	0.000000
X485	0.000000	0.000000
X486	0.000000	0.000000
X487	0.000000	0.000000
X488	0.000000	0.000000

X489	0.000000	0.000000
X490	0.000000	0.000000
X491	0.000000	0.000000
X492	0.000000	0.000000
X493	0.000000	0.000000
X494	0.000000	0.000000
X495	0.000000	0.000000
X496	10.41300	0.000000
X497	0.000000	0.000000
X498	0.000000	0.000000
X499	0.000000	0.000000
X500	0.000000	0.000000
X501	0.000000	0.000000
X502	0.000000	0.000000
X503	0.000000	0.000000
X504	0.000000	0.000000
X505	0.000000	0.000000
X506	0.000000	0.000000
X507	0.000000	0.000000
X508	0.000000	0.000000
X509	0.000000	0.000000
X510	0.000000	0.000000
X511	0.000000	0.000000
X512	0.000000	0.000000
X513	0.000000	0.000000
X514	0.000000	0.000000
X515	0.000000	0.000000
X516	10.97100	0.000000
X517	0.000000	0.000000
X518	0.000000	0.000000
X519	0.000000	0.000000
X520	0.000000	0.000000
X521	0.000000	0.000000
X522	0.000000	0.000000
X523	0.000000	0.000000
X524	0.000000	0.000000
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X526	0.000000	0.000000
X527	0.000000	0.000000
X528	0.000000	0.000000
X529	0.000000	0.000000
X530	0.000000	0.000000
X531	0.000000	0.000000
X532	0.000000	0.000000
X533	0.000000	0.000000
X534	0.000000	0.000000
X535	0.000000	0.000000
X536	0.000000	0.000000
X537	0.000000	0.000000
X538	0.000000	0.000000
X539	0.000000	0.000000
X540	0.000000	0.000000
X541	0.000000	0.000000
X542	0.000000	0.000000
X543	0.000000	0.000000
X544	0.000000	0.000000
X545	18.50400	0.000000
X546	0.000000	6965667.
X547	0.000000	6965667.
X548	0.000000	6965667.
X549	0.000000	6965667.
X550	0.000000	6965667.
X551	0.000000	6965667.

X552	0.000000	6965667.
X553	0.000000	6965667.
X554	0.000000	6965667.
X555	0.000000	6965667.
X556	0.000000	6965667.
X557	0.000000	6965667.
X558	0.000000	6965667.
X559	0.000000	6965667.
X560	0.000000	6965667.
X561	0.000000	6965667.
X562	0.000000	6965667.
X563	0.000000	6965667.
X564	0.000000	6965667.
X565	0.000000	6965667.
X566	0.000000	6965667.
X567	0.000000	6965667.
X568	0.000000	6965667.
X569	0.000000	6965667.
X570	0.000000	6965667.
X571	0.000000	6965667.
X572	0.000000	6965667.
X573	0.000000	6965667.
X574	0.000000	6965667.
X575	0.000000	6965667.
X576	0.000000	6965667.
X577	0.000000	6965667.
X578	0.000000	6965667.
X579	0.000000	6965667.
X580	0.000000	6965667.
X581	0.000000	6965667.
X582	0.000000	6965667.
X583	0.000000	6965667.
X584	0.000000	6965667.
X585	0.000000	6965667.
X586	0.000000	6965667.
X587	0.000000	6965667.
X588	0.000000	6965667.
X589	0.000000	6965667.
X590	0.000000	6965667.
X591	0.000000	6965667.
X592	0.000000	6965667.
X593	0.000000	6965667.
X594	0.000000	6965667.
X595	0.000000	6965667.
X596	0.000000	6965667.
X597	0.000000	6965667.
X598	0.000000	6965667.
X599	0.000000	6965667.
X600	0.000000	6965667.
X601	0.000000	6965667.
X602	0.000000	6965667.
X603	0.000000	6965667.
X604	0.000000	6965667.
X605	0.000000	6965667.
X606	0.000000	6965667.
X607	0.000000	6965667.
X608	0.000000	6965667.
X609	0.000000	6965667.
X610	0.000000	6965667.
X611	0.000000	6965667.
X612	0.000000	6965667.
X613	0.000000	6965667.
X614	0.000000	6965667.

X615	0.000000	6965667.
X616	0.000000	6965667.
X617	0.000000	6965667.
X618	0.000000	6965667.
X619	0.000000	6965667.
X620	0.000000	6965667.
X621	0.000000	6965667.
X622	0.000000	6965667.
X623	0.000000	6965667.
X624	0.000000	6965667.
X625	0.000000	6965667.
X626	0.000000	6965667.
X627	0.000000	6965667.
X628	0.000000	6965667.
X629	0.000000	6965667.
X630	0.000000	6965667.
X631	0.000000	6965667.
X632	0.000000	6965667.
X633	0.000000	6965667.
X634	0.000000	6965667.
X635	0.000000	6965667.
X636	0.000000	6965667.
X637	0.000000	6965667.
X638	0.000000	6965667.
X639	0.000000	6965667.
X640	0.000000	6965667.
X641	0.000000	6965667.
X642	0.000000	6965667.
X643	0.000000	6965667.
X644	0.000000	6965667.
X645	0.000000	6965667.
X646	0.000000	6965667.
X647	0.000000	6965667.
X648	0.000000	6965667.
X649	0.000000	6965667.
X650	0.000000	6965667.
X651	0.000000	6965667.
X652	0.000000	6965667.
X653	0.000000	6965667.
X654	0.000000	6965667.

Row	Slack or Surplus	Dual Price
1	0.1450998E+10	1.000000
2	278500.0	0.000000
3	0.000000	0.2514772E+08
4	0.000000	0.2514772E+08
5	0.000000	0.2514772E+08
6	0.000000	0.2514772E+08
7	0.000000	0.2514772E+08
8	0.000000	0.000000
9	0.000000	0.000000
10	0.000000	0.000000
11	0.000000	0.000000
12	0.000000	0.000000
13	0.000000	0.000000
14	0.000000	0.000000
15	0.000000	0.000000
16	0.000000	0.000000
17	0.000000	0.000000
18	0.000000	0.000000
19	0.000000	0.000000
20	0.000000	0.000000
21	0.000000	0.000000

22	0.000000	0.000000
23	0.000000	0.000000
24	0.000000	0.000000
25	0.000000	0.000000
26	0.000000	0.000000
27	0.000000	0.000000
28	0.000000	0.000000
29	0.000000	0.000000
30	0.000000	0.000000
31	0.000000	0.000000
32	0.000000	0.000000
33	0.000000	0.000000
34	0.000000	0.000000
35	0.000000	0.000000
36	0.000000	0.000000
37	0.000000	0.000000
38	0.000000	0.000000
39	0.000000	0.000000
40	0.000000	0.000000
41	0.000000	0.000000
42	0.000000	0.000000
43	0.000000	0.000000
44	0.000000	0.000000
45	0.000000	0.000000
46	0.000000	0.000000
47	0.000000	0.000000
48	0.000000	0.000000
49	0.000000	0.000000
50	0.000000	0.000000
51	0.000000	0.000000
52	0.000000	0.000000
53	0.000000	0.000000
54	0.000000	0.000000
55	0.000000	0.000000
56	0.000000	0.000000
57	0.000000	0.000000
58	0.000000	0.000000
59	0.000000	0.000000
60	0.000000	0.000000
61	0.000000	0.000000
62	0.000000	0.000000
63	0.000000	0.000000
64	0.000000	0.000000
65	0.000000	0.000000
66	0.000000	0.000000
67	0.000000	0.000000
68	0.000000	0.000000
69	0.000000	0.000000
70	0.000000	0.000000
71	0.000000	0.000000
72	0.000000	0.000000
73	0.000000	0.000000
74	0.000000	0.000000
75	0.000000	0.000000
76	0.000000	0.000000
77	0.000000	0.000000
78	0.000000	0.000000
79	0.000000	0.000000
80	0.000000	0.000000
81	0.000000	0.000000
82	0.000000	0.000000
83	0.000000	0.000000
84	0.000000	0.000000

85	0.000000	0.000000
86	0.000000	0.000000
87	0.000000	0.000000
88	0.000000	0.000000
89	0.000000	0.000000
90	0.000000	0.000000
91	0.000000	0.000000
92	0.000000	0.000000
93	0.000000	0.000000
94	0.000000	0.000000
95	0.000000	0.000000
96	0.000000	0.000000
97	0.000000	0.000000
98	0.000000	0.000000
99	0.000000	0.000000
100	0.000000	0.000000
101	0.000000	0.000000
102	0.000000	0.000000
103	0.000000	0.000000
104	0.000000	0.000000
105	0.000000	0.000000
106	0.000000	0.000000
107	0.000000	0.000000
108	0.000000	0.000000
109	0.000000	0.000000
110	0.000000	0.000000
111	0.000000	0.000000
112	0.000000	0.000000
113	0.000000	0.000000
114	0.000000	0.000000
115	0.000000	0.000000
116	0.000000	0.000000

! ALTERNATIF I MUSIM TANAM I

MAX 25147720.45X1 + 25147720.45X2 + 25147720.45X3 + 25147720.45X4
+ 25147720.45X5 + 25147720.45X6 + 25147720.45X7 + 25147720.45X8 +
25147720.45X9 + 25147720.45X10 + 25147720.45X11 + 25147720.45X12 +
25147720.45X13 + 25147720.45X14 + 25147720.45X15 + 25147720.45X16
+ 25147720.45X17 + 25147720.45X18 + 25147720.45X19 +
25147720.45X20 + 25147720.45X21 + 25147720.45X22 + 25147720.45X23
+ 25147720.45X24 + 25147720.45X25 + 25147720.45X26 +
25147720.45X27 + 25147720.45X28 + 25147720.45X29 + 25147720.45X30
+ 25147720.45X31 + 25147720.45X32 + 25147720.45X33 +
25147720.45X34 + 25147720.45X35 + 25147720.45X36 + 25147720.45X37
+ 25147720.45X38 + 25147720.45X39 + 25147720.45X40 +
25147720.45X41 + 25147720.45X42 + 25147720.45X43 + 25147720.45X44
+ 25147720.45X45 + 25147720.45X46 + 25147720.45X47 +
25147720.45X48 + 25147720.45X49 + 25147720.45X50 + 25147720.45X51
+ 25147720.45X52 + 25147720.45X53 + 25147720.45X54 +
25147720.45X55 + 25147720.45X56 + 25147720.45X57 + 25147720.45X58
+ 25147720.45X59 + 25147720.45X60 + 25147720.45X61 +
25147720.45X62 + 25147720.45X63 + 25147720.45X64 + 25147720.45X65
+ 25147720.45X66 + 25147720.45X67 + 25147720.45X68 +
25147720.45X69 + 25147720.45X70 + 25147720.45X71 + 25147720.45X72
+ 25147720.45X73 + 25147720.45X74 + 25147720.45X75 +
25147720.45X76 + 25147720.45X77 + 25147720.45X78 + 25147720.45X79
+ 25147720.45X80 + 25147720.45X81 + 25147720.45X82 +
25147720.45X83 + 25147720.45X84 + 25147720.45X85 + 25147720.45X86
+ 25147720.45X87 + 25147720.45X88 + 25147720.45X89 +
25147720.45X90 + 25147720.45X91 + 25147720.45X92 + 25147720.45X93
+ 25147720.45X94 + 25147720.45X95 + 25147720.45X96 +
25147720.45X97 + 25147720.45X98 + 25147720.45X99 + 25147720.45X100
+ 25147720.45X101 + 25147720.45X102 + 25147720.45X103 +
25147720.45X104 + 25147720.45X105 + 25147720.45X106 +
25147720.45X107 + 25147720.45X108 + 25147720.45X109 +
18182053.28X110 + 18182053.28X111 + 18182053.28X112 +
18182053.28X113 + 18182053.28X114 + 18182053.28X115 +
18182053.28X116 + 18182053.28X117 + 18182053.28X118 +
18182053.28X119 + 18182053.28X120 + 18182053.28X121 +
18182053.28X122 + 18182053.28X123 + 18182053.28X124 +
18182053.28X125 + 18182053.28X126 + 18182053.28X127 +
18182053.28X128 + 18182053.28X129 + 18182053.28X130 +
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18182053.28X140 + 18182053.28X141 + 18182053.28X142 +
18182053.28X143 + 18182053.28X144 + 18182053.28X145 +
18182053.28X146 + 18182053.28X147 + 18182053.28X148 +
18182053.28X149 + 18182053.28X150 + 18182053.28X151 +
18182053.28X152 + 18182053.28X153 + 18182053.28X154 +
18182053.28X155 + 18182053.28X156 + 18182053.28X157 +
18182053.28X158 + 18182053.28X159 + 18182053.28X160 +
18182053.28X161 + 18182053.28X162 + 18182053.28X163 +
18182053.28X164 + 18182053.28X165 + 18182053.28X166 +
18182053.28X167 + 18182053.28X168 + 18182053.28X169 +
18182053.28X170 + 18182053.28X171 + 18182053.28X172 +
18182053.28X173 + 18182053.28X174 + 18182053.28X175 +
18182053.28X176 + 18182053.28X177 + 18182053.28X178 +

18182053.28X179 + 18182053.28X180 + 18182053.28X181 +
18182053.28X182 + 18182053.28X183 + 18182053.28X184 +
18182053.28X185 + 18182053.28X186 + 18182053.28X187 +
18182053.28X188 + 18182053.28X189 + 18182053.28X190 +
18182053.28X191 + 18182053.28X192 + 18182053.28X193 +
18182053.28X194 + 18182053.28X195 + 18182053.28X196 +
18182053.28X197 + 18182053.28X198 + 18182053.28X199 +
18182053.28X200 + 18182053.28X201 + 18182053.28X202 +
18182053.28X203 + 18182053.28X204 + 18182053.28X205 +
18182053.28X206 + 18182053.28X207 + 18182053.28X208 +
18182053.28X209 + 18182053.28X210 + 18182053.28X211 +
18182053.28X212 + 18182053.28X213 + 18182053.28X214 +
18182053.28X215 + 18182053.28X216 + 18182053.28X217 +
18182053.28X218
st
70.82X1 + 70.82X2 + 70.82X3 + 70.82X4 + 70.82X5 + 70.82X6 +
70.82X7 + 70.82X8 + 70.82X9 + 70.82X10 + 70.82X11 + 70.82X12 +
70.82X13 + 70.82X14 + 70.82X15 + 70.82X16 + 70.82X17 + 70.82X18 +
70.82X19 + 70.82X20 + 70.82X21 + 70.82X22 + 70.82X23 + 70.82X24 +
70.82X25 + 70.82X26 + 70.82X27 + 70.82X28 + 70.82X29 + 70.82X30 +
70.82X31 + 70.82X32 + 70.82X33 + 70.82X34 + 70.82X35 + 70.82X36 +
70.82X37 + 70.82X38 + 70.82X39 + 70.82X40 + 70.82X41 + 70.82X42 +
70.82X43 + 70.82X44 + 70.82X45 + 70.82X46 + 70.82X47 + 70.82X48 +
70.82X49 + 70.82X50 + 70.82X51 + 70.82X52 + 70.82X53 + 70.82X54 +
70.82X55 + 70.82X56 + 70.82X57 + 70.82X58 + 70.82X59 + 70.82X60 +
70.82X61 + 70.82X62 + 70.82X63 + 70.82X64 + 70.82X65 + 70.82X66 +
70.82X67 + 70.82X68 + 70.82X69 + 70.82X70 + 70.82X71 + 70.82X72 +
70.82X73 + 70.82X74 + 70.82X75 + 70.82X76 + 70.82X77 + 70.82X78 +
70.82X79 + 70.82X80 + 70.82X81 + 70.82X82 + 70.82X83 + 70.82X84 +
70.82X85 + 70.82X86 + 70.82X87 + 70.82X88 + 70.82X89 + 70.82X90 +
70.82X91 + 70.82X92 + 70.82X93 + 70.82X94 + 70.82X95 + 70.82X96 +
70.82X97 + 70.82X98 + 70.82X99 + 70.82X100 + 70.82X101 + 70.82X102
+ 70.82X103 + 70.82X104 + 70.82X105 + 70.82X106 + 70.82X107 +
70.82X108 + 70.82X109 + 17.72X110 + 17.72X111 + 17.72X112 +
17.72X113 + 17.72X114 + 17.72X115 + 17.72X116 + 17.72X117 +
17.72X118 + 17.72X119 + 17.72X120 + 17.72X121 + 17.72X122 +
17.72X123 + 17.72X124 + 17.72X125 + 17.72X126 + 17.72X127 +
17.72X128 + 17.72X129 + 17.72X130 + 17.72X131 + 17.72X132 +
17.72X133 + 17.72X134 + 17.72X135 + 17.72X136 + 17.72X137 +
17.72X138 + 17.72X139 + 17.72X140 + 17.72X141 + 17.72X142 +
17.72X143 + 17.72X144 + 17.72X145 + 17.72X146 + 17.72X147 +
17.72X148 + 17.72X149 + 17.72X150 + 17.72X151 + 17.72X152 +
17.72X153 + 17.72X154 + 17.72X155 + 17.72X156 + 17.72X157 +
17.72X158 + 17.72X159 + 17.72X160 + 17.72X161 + 17.72X162 +
17.72X163 + 17.72X164 + 17.72X165 + 17.72X166 + 17.72X167 +
17.72X168 + 17.72X169 + 17.72X170 + 17.72X171 + 17.72X172 +
17.72X173 + 17.72X174 + 17.72X175 + 17.72X176 + 17.72X177 +
17.72X178 + 17.72X179 + 17.72X180 + 17.72X181 + 17.72X182 +
17.72X183 + 17.72X184 + 17.72X185 + 17.72X186 + 17.72X187 +
17.72X188 + 17.72X189 + 17.72X190 + 17.72X191 + 17.72X192 +
17.72X193 + 17.72X194 + 17.72X195 + 17.72X196 + 17.72X197 +
17.72X198 + 17.72X199 + 17.72X200 + 17.72X201 + 17.72X202 +
17.72X203 + 17.72X204 + 17.72X205 + 17.72X206 + 17.72X207 +
17.72X208 + 17.72X209 + 17.72X210 + 17.72X211 + 17.72X212 +
17.72X213 + 17.72X214 + 17.72X215 + 17.72X216 + 17.72X217 +
17.72X218 <= 202700

X1 + X110 + X2 + X111 + X3 + X112 + X4 + X113 + X5 + X114 + X6 + X115 + X7 + X116 + X8 + X117 + X9 + X118 + X10 +X119 + X11 + X120 + X12 + X121 + X13 + X122 + X14 + X123 + X15 + X124 + X16 + X125 + X17 + X126 + X18 + X127 + X19 + X128 + X20 + X129 <= 796

X21 + X130 + X22 + X131 + X23 + X132 + X24 + X133 + X25 + X134 + X26 + X135 + X27 + X136 + X28 + X137 + X29 + X138 + X30 + X139 + X31 + X140 + X32 + X141 + X33 + X142 + X34 + X143 + X35 + X144 + X36 + X145 + X37 + X146 + X38 + X147 + X39 + X148 + X40 + X149 <= 1183

X41 + X150 + X42 + X151 + X43 + X152 + X44 + X153 + X45 + X154 + X46 + X155 + X47 + X156 + X48 + X157 + X49 + X158 + X50 + X159 + X51 + X160 + X52 + X161 + X53 + X162 + X54 + X163 + X55 + X164 + X56 + X165 + X57 + X166 + X58 + X167 + X59 + X168 + X60 + X169 <= 1157

X61 + X170 + X62 + X171 + X63 + X172 + X64 + X173 + X65 + X174 + X66 + X175 + X67 + X176 + X68 + X177 + X69 + X178 + X70 + X179 + X71 + X180 + X72 + X181 + X73 + X182 + X74 + X183 + X75 + X184 + X76 + X185 + X77 + X186 + X78 + X187 + X79 + X188 + X80 + X189 <= 1219

X81 + X190 + X82 + X191 + X83 + X192 + X84 + X193 + X85 + X194 + X86 + X195 + X87 + X196 + X88 + X197 + X89 + X198 + X90 + X199 + X91 + X200 + X92 + X201 + X93 + X202 + X94 + X203 + X95 + X204 + X96 + X205 + X97 + X206 + X98 + X207 + X99 + X208 + X100 + X209 + X101 + X210 + X102 + X211 + X103 + X212 + X104 + X213 + X105 + X214 + X106 + X215 + X107 + X216 + X108 + X217 + X109 + X218 <= 2056

X110 <= 12
X111 <= 1.5
X112 <= 1.8
X113 <= 3.7
X114 <= 4.1
X115 <= 0.3
X116 <= 0.6
X117 <= 4.1
X118 <= 1.1
X119 <= 4.3
X120 <= 0.9
X121 <= 1.7
X122 <= 2.9
X123 <= 1.1
X124 <= 2.7
X125 <= 9.4
X126 <= 6.6
X127 <= 7.8
X128 <= 6.4
X129 <= 6.6

X149 <= 2.2
X150 <= 11
X151 <= 12.5
X152 <= 4.1
X153 <= 18
X154 <= 1
X155 <= 9
X156 <= 2.8
X157 <= 10.5
X158 <= 3.4
X159 <= 6.5
X160 <= 4.4
X161 <= 2.2
X162 <= 3.7
X163 <= 4.6
X164 <= 1
X165 <= 3
X166 <= 3.7
X167 <= 4.1
X168 <= 4.3

X188 <= 4.2
X189 <= 2.4
X190 <= 10.1
X191 <= 10.4
X192 <= 10
X193 <= 7.4
X194 <= 8.8
X195 <= 8.8
X196 <= 4.7
X197 <= 8.8
X198 <= 5
X199 <= 7.9
X200 <= 4.5
X201 <= 4.1
X202 <= 4
X203 <= 3.8
X204 <= 13.5
X205 <= 9.1
X206 <= 5.5
X207 <= 12.4

X130 <= 6
X131 <= 6.5
X132 <= 7
X133 <= 4
X134 <= 4
X135 <= 5.6
X136 <= 3
X137 <= 5
X138 <= 10.7
X139 <= 5.1
X140 <= 9
X141 <= 12.5
X142 <= 3.5
X143 <= 13.4
X144 <= 5.2
X145 <= 2.8
X146 <= 5.5
X147 <= 5.3
X148 <= 2

X169 <= 5.9
X170 <= 1
X171 <= 2.7
X172 <= 1
X173 <= 2
X174 <= 6.1
X175 <= 9.5
X176 <= 6.5
X177 <= 14.1
X178 <= 3
X179 <= 4.2
X180 <= 9.4
X181 <= 7
X182 <= 8
X183 <= 6
X184 <= 7.4
X185 <= 12
X186 <= 5.3
X187 <= 10.1

X208 <= 3.5
X209 <= 9.1
X210 <= 8
X211 <= 5.8
X212 <= 9.2
X213 <= 5.2
X214 <= 5.5
X215 <= 5.3
X216 <= 6.8
X217 <= 4.3
X218 <= 4.1

OUTPUT ALTERNATIF I MUSIM TANAM I

Global optimal solution found.
Objective value: 0.7960000E+11
Infeasibilities: 0.000000
Total solver iterations: 8

Variable	Value	Reduced Cost
X1	0.000000	0.000000
X2	0.000000	0.000000
X3	0.000000	0.000000
X4	0.000000	0.000000
X5	0.000000	0.000000
X6	0.000000	0.000000
X7	0.000000	0.000000
X8	0.000000	0.000000
X9	0.000000	0.000000
X10	0.000000	0.000000
X11	0.000000	0.000000
X12	0.000000	0.000000
X13	0.000000	0.000000
X14	0.000000	0.000000
X15	0.000000	0.000000
X16	0.000000	0.000000
X17	0.000000	0.000000
X18	0.000000	0.000000
X19	0.000000	0.000000
X20	0.000000	0.000000
X21	0.000000	0.000000
X22	0.000000	0.000000
X23	0.000000	0.000000
X24	0.000000	0.000000
X25	0.000000	0.000000
X26	0.000000	0.000000
X27	0.000000	0.000000
X28	0.000000	0.000000
X29	0.000000	0.000000
X30	0.000000	0.000000
X31	0.000000	0.000000
X32	0.000000	0.000000
X33	0.000000	0.000000
X34	0.000000	0.000000
X35	0.000000	0.000000
X36	0.000000	0.000000
X37	0.000000	0.000000
X38	0.000000	0.000000
X39	0.000000	0.000000
X40	0.000000	0.000000
X41	0.000000	0.000000
X42	0.000000	0.000000
X43	0.000000	0.000000
X44	0.000000	0.000000
X45	0.000000	0.000000
X46	0.000000	0.000000
X47	0.000000	0.000000
X48	0.000000	0.000000
X49	0.000000	0.000000
X50	0.000000	0.000000
X51	0.000000	0.000000
X52	0.000000	0.000000
X53	0.000000	0.000000
X54	0.000000	0.000000

X55	0.000000	0.000000
X56	0.000000	0.000000
X57	0.000000	0.000000
X58	0.000000	0.000000
X59	0.000000	0.000000
X60	851.3750	0.000000
X61	0.000000	0.000000
X62	0.000000	0.000000
X63	0.000000	0.000000
X64	0.000000	0.000000
X65	0.000000	0.000000
X66	0.000000	0.000000
X67	0.000000	0.000000
X68	0.000000	0.000000
X69	0.000000	0.000000
X70	0.000000	0.000000
X71	0.000000	0.000000
X72	0.000000	0.000000
X73	0.000000	0.000000
X74	0.000000	0.000000
X75	0.000000	0.000000
X76	0.000000	0.000000
X77	0.000000	0.000000
X78	0.000000	0.000000
X79	0.000000	0.000000
X80	0.000000	0.000000
X81	0.000000	0.000000
X82	0.000000	0.000000
X83	0.000000	0.000000
X84	0.000000	0.000000
X85	0.000000	0.000000
X86	0.000000	0.000000
X87	0.000000	0.000000
X88	0.000000	0.000000
X89	0.000000	0.000000
X90	0.000000	0.000000
X91	0.000000	0.000000
X92	0.000000	0.000000
X93	0.000000	0.000000
X94	0.000000	0.000000
X95	0.000000	0.000000
X96	0.000000	0.000000
X97	0.000000	0.000000
X98	0.000000	0.000000
X99	0.000000	0.000000
X100	0.000000	0.000000
X101	0.000000	0.000000
X102	0.000000	0.000000
X103	0.000000	0.000000
X104	0.000000	0.000000
X105	0.000000	0.000000
X106	0.000000	0.000000
X107	0.000000	0.000000
X108	0.000000	0.000000
X109	1850.400	0.000000
X110	12.00000	0.000000
X111	1.500000	0.000000
X112	1.800000	0.000000
X113	3.700000	0.000000
X114	4.100000	0.000000
X115	0.3000000	0.000000
X116	0.6000000	0.000000
X117	4.100000	0.000000

X118	1.100000	0.000000
X119	4.300000	0.000000
X120	0.9000000	0.000000
X121	1.700000	0.000000
X122	2.900000	0.000000
X123	1.100000	0.000000
X124	2.700000	0.000000
X125	9.400000	0.000000
X126	6.600000	0.000000
X127	7.800000	0.000000
X128	6.400000	0.000000
X129	6.600000	0.000000
X130	6.000000	0.000000
X131	6.500000	0.000000
X132	7.000000	0.000000
X133	4.000000	0.000000
X134	4.000000	0.000000
X135	5.600000	0.000000
X136	3.000000	0.000000
X137	5.000000	0.000000
X138	10.70000	0.000000
X139	5.100000	0.000000
X140	9.000000	0.000000
X141	12.50000	0.000000
X142	3.500000	0.000000
X143	13.40000	0.000000
X144	5.200000	0.000000
X145	2.800000	0.000000
X146	5.500000	0.000000
X147	5.300000	0.000000
X148	2.000000	0.000000
X149	2.200000	0.000000
X150	11.00000	0.000000
X151	12.50000	0.000000
X152	4.100000	0.000000
X153	18.00000	0.000000
X154	1.000000	0.000000
X155	9.000000	0.000000
X156	2.800000	0.000000
X157	10.50000	0.000000
X158	3.400000	0.000000
X159	6.500000	0.000000
X160	4.400000	0.000000
X161	2.200000	0.000000
X162	3.700000	0.000000
X163	4.600000	0.000000
X164	1.000000	0.000000
X165	3.000000	0.000000
X166	3.700000	0.000000
X167	4.100000	0.000000
X168	4.300000	0.000000
X169	5.900000	0.000000
X170	1.000000	0.000000
X171	2.700000	0.000000
X172	1.000000	0.000000
X173	2.000000	0.000000
X174	6.100000	0.000000
X175	9.500000	0.000000
X176	6.500000	0.000000
X177	14.10000	0.000000
X178	3.000000	0.000000
X179	4.200000	0.000000
X180	9.400000	0.000000

X181	7.000000	0.000000
X182	8.000000	0.000000
X183	6.000000	0.000000
X184	7.400000	0.000000
X185	12.00000	0.000000
X186	5.300000	0.000000
X187	10.10000	0.000000
X188	4.200000	0.000000
X189	2.400000	0.000000
X190	10.10000	0.000000
X191	10.40000	0.000000
X192	10.00000	0.000000
X193	7.400000	0.000000
X194	8.800000	0.000000
X195	8.800000	0.000000
X196	4.700000	0.000000
X197	8.800000	0.000000
X198	5.000000	0.000000
X199	7.900000	0.000000
X200	4.500000	0.000000
X201	4.100000	0.000000
X202	4.000000	0.000000
X203	3.800000	0.000000
X204	13.50000	0.000000
X205	9.100000	0.000000
X206	5.500000	0.000000
X207	12.40000	0.000000
X208	3.500000	0.000000
X209	9.100000	0.000000
X210	8.000000	0.000000
X211	5.800000	0.000000
X212	9.200000	0.000000
X213	5.200000	0.000000
X214	5.500000	0.000000
X215	5.300000	0.000000
X216	6.800000	0.000000
X217	4.300000	0.000000
X218	4.100000	0.000000

Row	Slack or Surplus	Dual Price
1	0.7960000E+11	1.000000
2	0.000000	355093.5
3	716.4000	0.000000
4	1064.700	0.000000
5	189.9250	0.000000
6	1097.100	0.000000
7	0.000000	0.000000
8	0.000000	0.1188980E+08
9	0.000000	0.1188980E+08
10	0.000000	0.1188980E+08
11	0.000000	0.1188980E+08
12	0.000000	0.1188980E+08
13	0.000000	0.1188980E+08
14	0.000000	0.1188980E+08
15	0.000000	0.1188980E+08
16	0.000000	0.1188980E+08
17	0.000000	0.1188980E+08
18	0.000000	0.1188980E+08
19	0.000000	0.1188980E+08
20	0.000000	0.1188980E+08
21	0.000000	0.1188980E+08
22	0.000000	0.1188980E+08
23	0.000000	0.1188980E+08

24	0.000000	0.1188980E+08
25	0.000000	0.1188980E+08
26	0.000000	0.1188980E+08
27	0.000000	0.1188980E+08
28	0.000000	0.1188980E+08
29	0.000000	0.1188980E+08
30	0.000000	0.1188980E+08
31	0.000000	0.1188980E+08
32	0.000000	0.1188980E+08
33	0.000000	0.1188980E+08
34	0.000000	0.1188980E+08
35	0.000000	0.1188980E+08
36	0.000000	0.1188980E+08
37	0.000000	0.1188980E+08
38	0.000000	0.1188980E+08
39	0.000000	0.1188980E+08
40	0.000000	0.1188980E+08
41	0.000000	0.1188980E+08
42	0.000000	0.1188980E+08
43	0.000000	0.1188980E+08
44	0.000000	0.1188980E+08
45	0.000000	0.1188980E+08
46	0.000000	0.1188980E+08
47	0.000000	0.1188980E+08
48	0.000000	0.1188980E+08
49	0.000000	0.1188980E+08
50	0.000000	0.1188980E+08
51	0.000000	0.1188980E+08
52	0.000000	0.1188980E+08
53	0.000000	0.1188980E+08
54	0.000000	0.1188980E+08
55	0.000000	0.1188980E+08
56	0.000000	0.1188980E+08
57	0.000000	0.1188980E+08
58	0.000000	0.1188980E+08
59	0.000000	0.1188980E+08
60	0.000000	0.1188980E+08
61	0.000000	0.1188980E+08
62	0.000000	0.1188980E+08
63	0.000000	0.1188980E+08
64	0.000000	0.1188980E+08
65	0.000000	0.1188980E+08
66	0.000000	0.1188980E+08
67	0.000000	0.1188980E+08
68	0.000000	0.1188980E+08
69	0.000000	0.1188980E+08
70	0.000000	0.1188980E+08
71	0.000000	0.1188980E+08
72	0.000000	0.1188980E+08
73	0.000000	0.1188980E+08
74	0.000000	0.1188980E+08
75	0.000000	0.1188980E+08
76	0.000000	0.1188980E+08
77	0.000000	0.1188980E+08
78	0.000000	0.1188980E+08
79	0.000000	0.1188980E+08
80	0.000000	0.1188980E+08
81	0.000000	0.1188980E+08
82	0.000000	0.1188980E+08
83	0.000000	0.1188980E+08
84	0.000000	0.1188980E+08
85	0.000000	0.1188980E+08
86	0.000000	0.1188980E+08

87	0.000000	0.1188980E+08
88	0.000000	0.1188980E+08
89	0.000000	0.1188980E+08
90	0.000000	0.1188980E+08
91	0.000000	0.1188980E+08
92	0.000000	0.1188980E+08
93	0.000000	0.1188980E+08
94	0.000000	0.1188980E+08
95	0.000000	0.1188980E+08
96	0.000000	0.1188980E+08
97	0.000000	0.1188980E+08
98	0.000000	0.1188980E+08
99	0.000000	0.1188980E+08
100	0.000000	0.1188980E+08
101	0.000000	0.1188980E+08
102	0.000000	0.1188980E+08
103	0.000000	0.1188980E+08
104	0.000000	0.1188980E+08
105	0.000000	0.1188980E+08
106	0.000000	0.1188980E+08
107	0.000000	0.1188980E+08
108	0.000000	0.1188980E+08
109	0.000000	0.1188980E+08
110	0.000000	0.1188980E+08
111	0.000000	0.1188980E+08
112	0.000000	0.1188980E+08
113	0.000000	0.1188980E+08
114	0.000000	0.1188980E+08
115	0.000000	0.1188980E+08
116	0.000000	0.1188980E+08

! ALTERNATIF I MUSIM TANAM II

MAX 25147720.45X219 + 25147720.45X220 + 25147720.45X221 +
25147720.45X222 + 25147720.45X223 + 25147720.45X224 +
25147720.45X225 + 25147720.45X226 + 25147720.45X227 +
25147720.45X228 + 25147720.45X229 + 25147720.45X230 +
25147720.45X231 + 25147720.45X232 + 25147720.45X233 +
25147720.45X234 + 25147720.45X235 + 25147720.45X236 +
25147720.45X237 + 25147720.45X238 + 25147720.45X239 +
25147720.45X240 + 25147720.45X241 + 25147720.45X242 +
25147720.45X243 + 25147720.45X244 + 25147720.45X245 +
25147720.45X246 + 25147720.45X247 + 25147720.45X248 +
25147720.45X249 + 25147720.45X250 + 25147720.45X251 +
25147720.45X252 + 25147720.45X253 + 25147720.45X254 +
25147720.45X255 + 25147720.45X256 + 25147720.45X257 +
25147720.45X258 + 25147720.45X259 + 25147720.45X260 +
25147720.45X261 + 25147720.45X262 + 25147720.45X263 +
25147720.45X264 + 25147720.45X265 + 25147720.45X266 +
25147720.45X267 + 25147720.45X268 + 25147720.45X269 +
25147720.45X270 + 25147720.45X271 + 25147720.45X272 +
25147720.45X273 + 25147720.45X274 + 25147720.45X275 +
25147720.45X276 + 25147720.45X277 + 25147720.45X278 +
25147720.45X279 + 25147720.45X280 + 25147720.45X281 +
25147720.45X282 + 25147720.45X283 + 25147720.45X284 +
25147720.45X285 + 25147720.45X286 + 25147720.45X287 +
25147720.45X288 + 25147720.45X289 + 25147720.45X290 +
25147720.45X291 + 25147720.45X292 + 25147720.45X293 +
25147720.45X294 + 25147720.45X295 + 25147720.45X296 +
25147720.45X297 + 25147720.45X298 + 25147720.45X299 +
25147720.45X300 + 25147720.45X301 + 25147720.45X302 +
25147720.45X303 + 25147720.45X304 + 25147720.45X305 +
25147720.45X306 + 25147720.45X307 + 25147720.45X308 +
25147720.45X309 + 25147720.45X310 + 25147720.45X311 +
25147720.45X312 + 25147720.45X313 + 25147720.45X314 +
25147720.45X315 + 25147720.45X316 + 25147720.45X317 +
25147720.45X318 + 25147720.45X319 + 25147720.45X320 +
25147720.45X321 + 25147720.45X322 + 25147720.45X323 +
25147720.45X324 + 25147720.45X325 + 25147720.45X326 +
25147720.45X327 + 18182053.28X328 + 18182053.28X329 +
18182053.28X330 + 18182053.28X331 + 18182053.28X332 +
18182053.28X333 + 18182053.28X334 + 18182053.28X335 +
18182053.28X336 + 18182053.28X337 + 18182053.28X338 +
18182053.28X339 + 18182053.28X340 + 18182053.28X341 +
18182053.28X342 + 18182053.28X343 + 18182053.28X344 +
18182053.28X345 + 18182053.28X346 + 18182053.28X347 +
18182053.28X348 + 18182053.28X349 + 18182053.28X350 +
18182053.28X351 + 18182053.28X352 + 18182053.28X353 +
18182053.28X354 + 18182053.28X355 + 18182053.28X356 +
18182053.28X357 + 18182053.28X358 + 18182053.28X359 +
18182053.28X360 + 18182053.28X361 + 18182053.28X362 +
18182053.28X363 + 18182053.28X364 + 18182053.28X365 +
18182053.28X366 + 18182053.28X367 + 18182053.28X368 +
18182053.28X369 + 18182053.28X370 + 18182053.28X371 +
18182053.28X372 + 18182053.28X373 + 18182053.28X374 +
18182053.28X375 + 18182053.28X376 + 18182053.28X377 +
18182053.28X378 + 18182053.28X379 + 18182053.28X380 +

```
18182053.28X381 + 18182053.28X382 + 18182053.28X383 +
18182053.28X384 + 18182053.28X385 + 18182053.28X386 +
18182053.28X387 + 18182053.28X388 + 18182053.28X389 +
18182053.28X390 + 18182053.28X391 + 18182053.28X392 +
18182053.28X393 + 18182053.28X394 + 18182053.28X395 +
18182053.28X396 + 18182053.28X397 + 18182053.28X398 +
18182053.28X399 + 18182053.28X400 + 18182053.28X401 +
18182053.28X402 + 18182053.28X403 + 18182053.28X404 +
18182053.28X405 + 18182053.28X406 + 18182053.28X407 +
18182053.28X408 + 18182053.28X409 + 18182053.28X410 +
18182053.28X411 + 18182053.28X412 + 18182053.28X413 +
18182053.28X414 + 18182053.28X415 + 18182053.28X416 +
18182053.28X417 + 18182053.28X418 + 18182053.28X419 +
18182053.28X420 + 18182053.28X421 + 18182053.28X422 +
18182053.28X423 + 18182053.28X424 + 18182053.28X425 +
18182053.28X426 + 18182053.28X427 + 18182053.28X428 +
18182053.28X429 + 18182053.28X430 + 18182053.28X431 +
18182053.28X432 + 18182053.28X433 + 18182053.28X434 +
18182053.28X435 + 18182053.28X436
st
61.40X219 + 61.40X220 + 61.40X221 + 61.40X222 + 61.40X223 +
61.40X224 + 61.40X225 + 61.40X226 + 61.40X227 + 61.40X228 +
61.40X229 + 61.40X230 + 61.40X231 + 61.40X232 + 61.40X233 +
61.40X234 + 61.40X235 + 61.40X236 + 61.40X237 + 61.40X238 +
61.40X239 + 61.40X240 + 61.40X241 + 61.40X242 + 61.40X243 +
61.40X244 + 61.40X245 + 61.40X246 + 61.40X247 + 61.40X248 +
61.40X249 + 61.40X250 + 61.40X251 + 61.40X252 + 61.40X253 +
61.40X254 + 61.40X255 + 61.40X256 + 61.40X257 + 61.40X258 +
61.40X259 + 61.40X260 + 61.40X261 + 61.40X262 + 61.40X263 +
61.40X264 + 61.40X265 + 61.40X266 + 61.40X267 + 61.40X268 +
61.40X269 + 61.40X270 + 61.40X271 + 61.40X272 + 61.40X273 +
61.40X274 + 61.40X275 + 61.40X276 + 61.40X277 + 61.40X278 +
61.40X279 + 61.40X280 + 61.40X281 + 61.40X282 + 61.40X283 +
61.40X284 + 61.40X285 + 61.40X286 + 61.40X287 + 61.40X288 +
61.40X289 + 61.40X290 + 61.40X291 + 61.40X292 + 61.40X293 +
61.40X294 + 61.40X295 + 61.40X296 + 61.40X297 + 61.40X298 +
61.40X299 + 61.40X300 + 61.40X301 + 61.40X302 + 61.40X303 +
61.40X304 + 61.40X305 + 61.40X306 + 61.40X307 + 61.40X308 +
61.40X309 + 61.40X310 + 61.40X311 + 61.40X312 + 61.40X313 +
61.40X314 + 61.40X315 + 61.40X316 + 61.40X317 + 61.40X318 +
61.40X319 + 61.40X320 + 61.40X321 + 61.40X322 + 61.40X323 +
61.40X324 + 61.40X325 + 61.40X326 + 61.40X327 + 26.56X328 +
26.56X329 + 26.56X330 + 26.56X331 + 26.56X332 + 26.56X333 +
26.56X334 + 26.56X335 + 26.56X336 + 26.56X337 + 26.56X338 +
26.56X339 + 26.56X340 + 26.56X341 + 26.56X342 + 26.56X343 +
26.56X344 + 26.56X345 + 26.56X346 + 26.56X347 + 26.56X348 +
26.56X349 + 26.56X350 + 26.56X351 + 26.56X352 + 26.56X353 +
26.56X354 + 26.56X355 + 26.56X356 + 26.56X357 + 26.56X358 +
26.56X359 + 26.56X360 + 26.56X361 + 26.56X362 + 26.56X363 +
26.56X364 + 26.56X365 + 26.56X366 + 26.56X367 + 26.56X368 +
26.56X369 + 26.56X370 + 26.56X371 + 26.56X372 + 26.56X373 +
26.56X374 + 26.56X375 + 26.56X376 + 26.56X377 + 26.56X378 +
26.56X379 + 26.56X380 + 26.56X381 + 26.56X382 + 26.56X383 +
26.56X384 + 26.56X385 + 26.56X386 + 26.56X387 + 26.56X388 +
26.56X389 + 26.56X390 + 26.56X391 + 26.56X392 + 26.56X393 +
26.56X394 + 26.56X395 + 26.56X396 + 26.56X397 + 26.56X398 +
```

```
26.56X399 + 26.56X400 + 26.56X401 + 26.56X402 + 26.56X403 +
26.56X404 + 26.56X405 + 26.56X406 + 26.56X407 + 26.56X408 +
26.56X409 + 26.56X410 + 26.56X411 + 26.56X412 + 26.56X413 +
26.56X414 + 26.56X415 + 26.56X416 + 26.56X417 + 26.56X418 +
26.56X419 + 26.56X420 + 26.56X421 + 26.56X422 + 26.56X423 +
26.56X424 + 26.56X425 + 26.56X426 + 26.56X427 + 26.56X428 +
26.56X429 + 26.56X430 + 26.56X431 + 26.56X432 + 26.56X433 +
26.56X434 + 26.56X435 + 26.56X436 <= 173000


X219 + X328 + X220 + X329 + X221 + X330 + X222 + X331 + X223 +
X332 + X224 + X333 + X225 + X334 + X226 + X335 + X227 + X336 +
X228 + X337 + X229 + X338 + X230 + X339 + X231 + X340 + X232 +
X341 + X233 + X342 + X234 + X343 + X235 + X344 + X236 + X345 +
X237 + X346 + X238 + X347 <= 796

X239 + X348 + X240 + X349 + X241 + X350 + X242 + X351 + X243 +
X352 + X244 + X353 + X245 + X354 + X246 + X355 + X247 + X356 +
X248 + X357 + X249 + X358 + X250 + X359 + X251 + X360 + X252 +
X361 + X253 + X362 + X254 + X363 + X255 + X364 + X256 + X365 +
X257 + X366 + X258 + X367 <= 1183

X259 + X368 + X260 + X369 + X261 + X370 + X262 + X371 + X263 +
X372 + X264 + X373 + X265 + X374 + X266 + X375 + X267 + X376 +
X268 + X377 + X269 + X378 + X270 + X379 + X271 + X380 + X272 +
X381 + X273 + X382 + X274 + X383 + X275 + X384 + X276 + X385 +
X277 + X386 + X278 + X387 <= 1157


X279 + X388 + X280 + X389 + X281 + X390 + X282 + X391 + X283 +
X392 + X284 + X393 + X285 + X394 + X286 + X395 + X287 + X396 +
X288 + X397 + X289 + X398 + X290 + X399 + X291 + X400 + X292 +
X401 + X293 + X402 + X294 + X403 + X295 + X404 + X296 + X405 +
X297 + X406 + X298 + X407 <= 1219

X299 + X408 + X300 + X409 + X301 + X410 + X302 + X411 + X303 +
X412 + X304 + X413 + X305 + X414 + X306 + X415 + X307 + X416 +
X308 + X417 + X309 + X418 + X310 + X419 + X311 + X420 + X312 +
X421 + X313 + X422 + X314 + X423 + X315 + X424 + X316 + X425 +
X317 + X426 + X318 + X427 + X319 + X428 + X320 + X429 + X321 +
X430 + X322 + X431 + X323 + X432 + X324 + X433 + X325 + X434 +
X326 + X435 + X327 + X436 <= 2056



X328 <= 12
X329 <= 1.5
X330 <= 1.8
X331 <= 3.7
X332 <= 4.1
X333 <= 0.3
X334 <= 0.6
X335 <= 4.1
X336 <= 1.1
X337 <= 4.3
X338 <= 0.9

X367 <= 2.2
X368 <= 11
X369 <= 12.5
X370 <= 4.1
X371 <= 18
X372 <= 1
X373 <= 9
X374 <= 2.8
X375 <= 10.5
X376 <= 3.4
X377 <= 6.5

X406 <= 4.2
X407 <= 2.4
X408 <= 10.1
X409 <= 10.4
X410 <= 10
X411 <= 7.4
X412 <= 8.8
X413 <= 8.8
X414 <= 4.7
X415 <= 8.8
X416 <= 5
```

X339 <= 1.7
X340 <= 2.9
X341 <= 1.1
X342 <= 2.7
X343 <= 9.4
X344 <= 6.6
X345 <= 7.8
X346 <= 6.4
X347 <= 6.6
X348 <= 6
X349 <= 6.5
X350 <= 7
X351 <= 4
X352 <= 4
X353 <= 5.6
X354 <= 3
X355 <= 5
X356 <= 10.7
X357 <= 5.1
X358 <= 9
X359 <= 12.5
X360 <= 3.5
X361 <= 13.4
X362 <= 5.2
X363 <= 2.8
X364 <= 5.5
X365 <= 5.3
X366 <= 2
X378 <= 4.4
X379 <= 2.2
X380 <= 3.7
X381 <= 4.6
X382 <= 1
X383 <= 3
X384 <= 3.7
X385 <= 4.1
X386 <= 4.3
X387 <= 5.9
X388 <= 1
X389 <= 2.7
X390 <= 1
X391 <= 2
X392 <= 6.1
X393 <= 9.5
X394 <= 6.5
X395 <= 14.1
X396 <= 3
X397 <= 4.2
X398 <= 9.4
X399 <= 7
X400 <= 8
X401 <= 6
X402 <= 7.4
X403 <= 12
X404 <= 5.3
X405 <= 10.1
X417 <= 7.9
X418 <= 4.5
X419 <= 4.1
X420 <= 4
X421 <= 3.8
X422 <= 13.5
X423 <= 9.1
X424 <= 5.5
X425 <= 12.4
X426 <= 3.5
X427 <= 9.1
X428 <= 8
X429 <= 5.8
X430 <= 9.2
X431 <= 5.2
X432 <= 5.5
X433 <= 5.3
X434 <= 6.8
X435 <= 4.3
X436 <= 4.1

OUTPUT ALTERNATIF I MUSIM TANAM II

Global optimal solution found.
Objective value: 0.7553843E+11
Infeasibilities: 0.000000
Total solver iterations: 8

Variable	Value	Reduced Cost
X219	0.000000	0.000000
X220	0.000000	0.000000
X221	0.000000	0.000000
X222	0.000000	0.000000
X223	0.000000	0.000000
X224	0.000000	0.000000
X225	0.000000	0.000000
X226	0.000000	0.000000
X227	0.000000	0.000000
X228	0.000000	0.000000
X229	0.000000	0.000000
X230	0.000000	0.000000
X231	0.000000	0.000000
X232	0.000000	0.000000
X233	0.000000	0.000000
X234	0.000000	0.000000
X235	0.000000	0.000000
X236	0.000000	0.000000
X237	0.000000	0.000000
X238	0.000000	0.000000
X239	0.000000	0.000000
X240	0.000000	0.000000
X241	0.000000	0.000000
X242	0.000000	0.000000
X243	0.000000	0.000000
X244	0.000000	0.000000
X245	0.000000	0.000000
X246	0.000000	0.000000
X247	0.000000	0.000000
X248	0.000000	0.000000
X249	0.000000	0.000000
X250	0.000000	0.000000
X251	0.000000	0.000000
X252	0.000000	0.000000
X253	0.000000	0.000000
X254	0.000000	0.000000
X255	0.000000	0.000000
X256	0.000000	0.000000
X257	0.000000	0.000000
X258	0.000000	0.000000
X259	0.000000	0.000000
X260	0.000000	0.000000
X261	0.000000	0.000000
X262	0.000000	0.000000
X263	0.000000	0.000000
X264	0.000000	0.000000
X265	0.000000	0.000000
X266	0.000000	0.000000
X267	0.000000	0.000000
X268	0.000000	0.000000
X269	0.000000	0.000000
X270	0.000000	0.000000

X271	0.000000	0.000000
X272	0.000000	0.000000
X273	0.000000	0.000000
X274	0.000000	0.000000
X275	0.000000	0.000000
X276	0.000000	0.000000
X277	0.000000	0.000000
X278	689.8668	0.000000
X279	0.000000	0.000000
X280	0.000000	0.000000
X281	0.000000	0.000000
X282	0.000000	0.000000
X283	0.000000	0.000000
X284	0.000000	0.000000
X285	0.000000	0.000000
X286	0.000000	0.000000
X287	0.000000	0.000000
X288	0.000000	0.000000
X289	0.000000	0.000000
X290	0.000000	0.000000
X291	0.000000	0.000000
X292	0.000000	0.000000
X293	0.000000	0.000000
X294	0.000000	0.000000
X295	0.000000	0.000000
X296	0.000000	0.000000
X297	0.000000	0.000000
X298	0.000000	0.000000
X299	0.000000	0.000000
X300	0.000000	0.000000
X301	0.000000	0.000000
X302	0.000000	0.000000
X303	0.000000	0.000000
X304	0.000000	0.000000
X305	0.000000	0.000000
X306	0.000000	0.000000
X307	0.000000	0.000000
X308	0.000000	0.000000
X309	0.000000	0.000000
X310	0.000000	0.000000
X311	0.000000	0.000000
X312	0.000000	0.000000
X313	0.000000	0.000000
X314	0.000000	0.000000
X315	0.000000	0.000000
X316	0.000000	0.000000
X317	0.000000	0.000000
X318	0.000000	0.000000
X319	0.000000	0.000000
X320	0.000000	0.000000
X321	0.000000	0.000000
X322	0.000000	0.000000
X323	0.000000	0.000000
X324	0.000000	0.000000
X325	0.000000	0.000000
X326	0.000000	0.000000
X327	1850.400	0.000000
X328	12.00000	0.000000
X329	1.500000	0.000000
X330	1.800000	0.000000
X331	3.700000	0.000000
X332	4.100000	0.000000
X333	0.3000000	0.000000

X334	0.6000000	0.000000
X335	4.100000	0.000000
X336	1.100000	0.000000
X337	4.300000	0.000000
X338	0.9000000	0.000000
X339	1.700000	0.000000
X340	2.900000	0.000000
X341	1.100000	0.000000
X342	2.700000	0.000000
X343	9.400000	0.000000
X344	6.600000	0.000000
X345	7.800000	0.000000
X346	6.400000	0.000000
X347	6.600000	0.000000
X348	6.000000	0.000000
X349	6.500000	0.000000
X350	7.000000	0.000000
X351	4.000000	0.000000
X352	4.000000	0.000000
X353	5.600000	0.000000
X354	3.000000	0.000000
X355	5.000000	0.000000
X356	10.70000	0.000000
X357	5.100000	0.000000
X358	9.000000	0.000000
X359	12.50000	0.000000
X360	3.500000	0.000000
X361	13.40000	0.000000
X362	5.200000	0.000000
X363	2.800000	0.000000
X364	5.500000	0.000000
X365	5.300000	0.000000
X366	2.000000	0.000000
X367	2.200000	0.000000
X368	11.00000	0.000000
X369	12.50000	0.000000
X370	4.100000	0.000000
X371	18.00000	0.000000
X372	1.000000	0.000000
X373	9.000000	0.000000
X374	2.800000	0.000000
X375	10.50000	0.000000
X376	3.400000	0.000000
X377	6.500000	0.000000
X378	4.400000	0.000000
X379	2.200000	0.000000
X380	3.700000	0.000000
X381	4.600000	0.000000
X382	1.000000	0.000000
X383	3.000000	0.000000
X384	3.700000	0.000000
X385	4.100000	0.000000
X386	4.300000	0.000000
X387	5.900000	0.000000
X388	1.000000	0.000000
X389	2.700000	0.000000
X390	1.000000	0.000000
X391	2.000000	0.000000
X392	6.100000	0.000000
X393	9.500000	0.000000
X394	6.500000	0.000000
X395	14.10000	0.000000
X396	3.000000	0.000000

X397	4.200000	0.000000
X398	9.400000	0.000000
X399	7.000000	0.000000
X400	8.000000	0.000000
X401	6.000000	0.000000
X402	7.400000	0.000000
X403	12.00000	0.000000
X404	5.300000	0.000000
X405	10.10000	0.000000
X406	4.200000	0.000000
X407	2.400000	0.000000
X408	10.10000	0.000000
X409	10.40000	0.000000
X410	10.00000	0.000000
X411	7.400000	0.000000
X412	8.800000	0.000000
X413	8.800000	0.000000
X414	4.700000	0.000000
X415	8.800000	0.000000
X416	5.000000	0.000000
X417	7.900000	0.000000
X418	4.500000	0.000000
X419	4.100000	0.000000
X420	4.000000	0.000000
X421	3.800000	0.000000
X422	13.50000	0.000000
X423	9.100000	0.000000
X424	5.500000	0.000000
X425	12.40000	0.000000
X426	3.500000	0.000000
X427	9.100000	0.000000
X428	8.000000	0.000000
X429	5.800000	0.000000
X430	9.200000	0.000000
X431	5.200000	0.000000
X432	5.500000	0.000000
X433	5.300000	0.000000
X434	6.800000	0.000000
X435	4.300000	0.000000
X436	4.100000	0.000000

Row	Slack or Surplus	Dual Price
1	0.7553843E+11	1.000000
2	0.000000	409572.0
3	716.4000	0.000000
4	1064.700	0.000000
5	351.4332	0.000000
6	1097.100	0.000000
7	0.000000	0.000000
8	0.000000	7303821.
9	0.000000	7303821.
10	0.000000	7303821.
11	0.000000	7303821.
12	0.000000	7303821.
13	0.000000	7303821.
14	0.000000	7303821.
15	0.000000	7303821.
16	0.000000	7303821.
17	0.000000	7303821.
18	0.000000	7303821.
19	0.000000	7303821.
20	0.000000	7303821.
21	0.000000	7303821.

22	0.000000	7303821.
23	0.000000	7303821.
24	0.000000	7303821.
25	0.000000	7303821.
26	0.000000	7303821.
27	0.000000	7303821.
28	0.000000	7303821.
29	0.000000	7303821.
30	0.000000	7303821.
31	0.000000	7303821.
32	0.000000	7303821.
33	0.000000	7303821.
34	0.000000	7303821.
35	0.000000	7303821.
36	0.000000	7303821.
37	0.000000	7303821.
38	0.000000	7303821.
39	0.000000	7303821.
40	0.000000	7303821.
41	0.000000	7303821.
42	0.000000	7303821.
43	0.000000	7303821.
44	0.000000	7303821.
45	0.000000	7303821.
46	0.000000	7303821.
47	0.000000	7303821.
48	0.000000	7303821.
49	0.000000	7303821.
50	0.000000	7303821.
51	0.000000	7303821.
52	0.000000	7303821.
53	0.000000	7303821.
54	0.000000	7303821.
55	0.000000	7303821.
56	0.000000	7303821.
57	0.000000	7303821.
58	0.000000	7303821.
59	0.000000	7303821.
60	0.000000	7303821.
61	0.000000	7303821.
62	0.000000	7303821.
63	0.000000	7303821.
64	0.000000	7303821.
65	0.000000	7303821.
66	0.000000	7303821.
67	0.000000	7303821.
68	0.000000	7303821.
69	0.000000	7303821.
70	0.000000	7303821.
71	0.000000	7303821.
72	0.000000	7303821.
73	0.000000	7303821.
74	0.000000	7303821.
75	0.000000	7303821.
76	0.000000	7303821.
77	0.000000	7303821.
78	0.000000	7303821.
79	0.000000	7303821.
80	0.000000	7303821.
81	0.000000	7303821.
82	0.000000	7303821.
83	0.000000	7303821.
84	0.000000	7303821.

85	0.000000	7303821.
86	0.000000	7303821.
87	0.000000	7303821.
88	0.000000	7303821.
89	0.000000	7303821.
90	0.000000	7303821.
91	0.000000	7303821.
92	0.000000	7303821.
93	0.000000	7303821.
94	0.000000	7303821.
95	0.000000	7303821.
96	0.000000	7303821.
97	0.000000	7303821.
98	0.000000	7303821.
99	0.000000	7303821.
100	0.000000	7303821.
101	0.000000	7303821.
102	0.000000	7303821.
103	0.000000	7303821.
104	0.000000	7303821.
105	0.000000	7303821.
106	0.000000	7303821.
107	0.000000	7303821.
108	0.000000	7303821.
109	0.000000	7303821.
110	0.000000	7303821.
111	0.000000	7303821.
112	0.000000	7303821.
113	0.000000	7303821.
114	0.000000	7303821.
115	0.000000	7303821.
116	0.000000	7303821.

! ALTERNATIF I MUSIM TANAM III

MAX 25147720.45X437 + 25147720.45X438 + 25147720.45X439 +
25147720.45X440 + 25147720.45X441 + 25147720.45X442 +
25147720.45X443 + 25147720.45X444 + 25147720.45X445 +
25147720.45X446 + 25147720.45X447 + 25147720.45X448 +
25147720.45X449 + 25147720.45X450 + 25147720.45X451 +
25147720.45X452 + 25147720.45X453 + 25147720.45X454 +
25147720.45X455 + 25147720.45X456 + 25147720.45X457 +
25147720.45X458 + 25147720.45X459 + 25147720.45X460 +
25147720.45X461 + 25147720.45X462 + 25147720.45X463 +
25147720.45X464 + 25147720.45X465 + 25147720.45X466 +
25147720.45X467 + 25147720.45X468 + 25147720.45X469 +
25147720.45X470 + 25147720.45X471 + 25147720.45X472 +
25147720.45X473 + 25147720.45X474 + 25147720.45X475 +
25147720.45X476 + 25147720.45X477 + 25147720.45X478 +
25147720.45X479 + 25147720.45X480 + 25147720.45X481 +
25147720.45X482 + 25147720.45X483 + 25147720.45X484 +
25147720.45X485 + 25147720.45X486 + 25147720.45X487 +
25147720.45X488 + 25147720.45X489 + 25147720.45X490 +
25147720.45X491 + 25147720.45X492 + 25147720.45X493 +
25147720.45X494 + 25147720.45X495 + 25147720.45X496 +
25147720.45X497 + 25147720.45X498 + 25147720.45X499 +
25147720.45X500 + 25147720.45X501 + 25147720.45X502 +
25147720.45X503 + 25147720.45X504 + 25147720.45X505 +
25147720.45X506 + 25147720.45X507 + 25147720.45X508 +
25147720.45X509 + 25147720.45X510 + 25147720.45X511 +
25147720.45X512 + 25147720.45X513 + 25147720.45X514 +
25147720.45X515 + 25147720.45X516 + 25147720.45X517 +
25147720.45X518 + 25147720.45X519 + 25147720.45X520 +
25147720.45X521 + 25147720.45X522 + 25147720.45X523 +
25147720.45X524 + 25147720.45X525 + 25147720.45X526 +
25147720.45X527 + 25147720.45X528 + 25147720.45X529 +
25147720.45X530 + 25147720.45X531 + 25147720.45X532 +
25147720.45X533 + 25147720.45X534 + 25147720.45X535 +
25147720.45X536 + 25147720.45X537 + 25147720.45X538 +
25147720.45X539 + 25147720.45X540 + 25147720.45X541 +
25147720.45X542 + 25147720.45X543 + 25147720.45X544 +
25147720.45X545 + 18182053.28X546 + 18182053.28X547 +
18182053.28X548 + 18182053.28X549 + 18182053.28X550 +
18182053.28X551 + 18182053.28X552 + 18182053.28X553 +
18182053.28X554 + 18182053.28X555 + 18182053.28X556 +
18182053.28X557 + 18182053.28X558 + 18182053.28X559 +
18182053.28X560 + 18182053.28X561 + 18182053.28X562 +
18182053.28X563 + 18182053.28X564 + 18182053.28X565 +
18182053.28X566 + 18182053.28X567 + 18182053.28X568 +
18182053.28X569 + 18182053.28X570 + 18182053.28X571 +
18182053.28X572 + 18182053.28X573 + 18182053.28X574 +
18182053.28X575 + 18182053.28X576 + 18182053.28X577 +
18182053.28X578 + 18182053.28X579 + 18182053.28X580 +
18182053.28X581 + 18182053.28X582 + 18182053.28X583 +
18182053.28X584 + 18182053.28X585 + 18182053.28X586 +
18182053.28X587 + 18182053.28X588 + 18182053.28X589 +
18182053.28X590 + 18182053.28X591 + 18182053.28X592 +
18182053.28X593 + 18182053.28X594 + 18182053.28X595 +
18182053.28X596 + 18182053.28X597 + 18182053.28X598 +

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18182053.28X599 + 18182053.28X600 + 18182053.28X601 +
18182053.28X602 + 18182053.28X603 + 18182053.28X604 +
18182053.28X605 + 18182053.28X606 + 18182053.28X607 +
18182053.28X608 + 18182053.28X609 + 18182053.28X610 +
18182053.28X611 + 18182053.28X612 + 18182053.28X613 +
18182053.28X614 + 18182053.28X615 + 18182053.28X616 +
18182053.28X617 + 18182053.28X618 + 18182053.28X619 +
18182053.28X620 + 18182053.28X621 + 18182053.28X622 +
18182053.28X623 + 18182053.28X624 + 18182053.28X625 +
18182053.28X626 + 18182053.28X627 + 18182053.28X628 +
18182053.28X629 + 18182053.28X630 + 18182053.28X631 +
18182053.28X632 + 18182053.28X633 + 18182053.28X634 +
18182053.28X635 + 18182053.28X636 + 18182053.28X637 +
18182053.28X638 + 18182053.28X639 + 18182053.28X640 +
18182053.28X641 + 18182053.28X642 + 18182053.28X643 +
18182053.28X644 + 18182053.28X645 + 18182053.28X646 +
18182053.28X647 + 18182053.28X648 + 18182053.28X649 +
18182053.28X650 + 18182053.28X651 + 18182053.28X652 +
18182053.28X653 + 18182053.28X654


st
53.11X437 + 53.11X438 + 53.11X439 + 53.11X440 + 53.11X441 +
53.11X442 + 53.11X443 + 53.11X444 + 53.11X445 + 53.11X446 +
53.11X447 + 53.11X448 + 53.11X449 + 53.11X450 + 53.11X451 +
53.11X452 + 53.11X453 + 53.11X454 + 53.11X455 + 53.11X456 +
53.11X457 + 53.11X458 + 53.11X459 + 53.11X460 + 53.11X461 +
53.11X462 + 53.11X463 + 53.11X464 + 53.11X465 + 53.11X466 +
53.11X467 + 53.11X468 + 53.11X469 + 53.11X470 + 53.11X471 +
53.11X472 + 53.11X473 + 53.11X474 + 53.11X475 + 53.11X476 +
53.11X477 + 53.11X478 + 53.11X479 + 53.11X480 + 53.11X481 +
53.11X482 + 53.11X483 + 53.11X484 + 53.11X485 + 53.11X486 +
53.11X487 + 53.11X488 + 53.11X489 + 53.11X490 + 53.11X491 +
53.11X492 + 53.11X493 + 53.11X494 + 53.11X495 + 53.11X496 +
53.11X497 + 53.11X498 + 53.11X499 + 53.11X500 + 53.11X501 +
53.11X502 + 53.11X503 + 53.11X504 + 53.11X505 + 53.11X506 +
53.11X507 + 53.11X508 + 53.11X509 + 53.11X510 + 53.11X511 +
53.11X512 + 53.11X513 + 53.11X514 + 53.11X515 + 53.11X516 +
53.11X517 + 53.11X518 + 53.11X519 + 53.11X520 + 53.11X521 +
53.11X522 + 53.11X523 + 53.11X524 + 53.11X525 + 53.11X526 +
53.11X527 + 53.11X528 + 53.11X529 + 53.11X530 + 53.11X531 +
53.11X532 + 53.11X533 + 53.11X534 + 53.11X535 + 53.11X536 +
53.11X537 + 53.11X538 + 53.11X539 + 53.11X540 + 53.11X541 +
53.11X542 + 53.11X543 + 53.11X544 + 53.11X545 + 35.43X546 +
35.43X547 + 35.43X548 + 35.43X549 + 35.43X550 + 35.43X551 +
35.43X552 + 35.43X553 + 35.43X554 + 35.43X555 + 35.43X556 +
35.43X557 + 35.43X558 + 35.43X559 + 35.43X560 + 35.43X561 +
35.43X562 + 35.43X563 + 35.43X564 + 35.43X565 + 35.43X566 +
35.43X567 + 35.43X568 + 35.43X569 + 35.43X570 + 35.43X571 +
35.43X572 + 35.43X573 + 35.43X574 + 35.43X575 + 35.43X576 +
35.43X577 + 35.43X578 + 35.43X579 + 35.43X580 + 35.43X581 +
35.43X582 + 35.43X583 + 35.43X584 + 35.43X585 + 35.43X586 +
35.43X587 + 35.43X588 + 35.43X589 + 35.43X590 + 35.43X591 +
35.43X592 + 35.43X593 + 35.43X594 + 35.43X595 + 35.43X596 +
35.43X597 + 35.43X598 + 35.43X599 + 35.43X600 + 35.43X601 +
```

35.43X602 + 35.43X603 + 35.43X604 + 35.43X605 + 35.43X606 +
35.43X607 + 35.43X608 + 35.43X609 + 35.43X610 + 35.43X611 +
35.43X612 + 35.43X613 + 35.43X614 + 35.43X615 + 35.43X616 +
35.43X617 + 35.43X618 + 35.43X619 + 35.43X620 + 35.43X621 +
35.43X622 + 35.43X623 + 35.43X624 + 35.43X625 + 35.43X626 +
35.43X627 + 35.43X628 + 35.43X629 + 35.43X630 + 35.43X631 +
35.43X632 + 35.43X633 + 35.43X634 + 35.43X635 + 35.43X636 +
35.43X637 + 35.43X638 + 35.43X639 + 35.43X640 + 35.43X641 +
35.43X642 + 35.43X643 + 35.43X644 + 35.43X645 + 35.43X646 +
35.43X647 + 35.43X648 + 35.43X649 + 35.43X650 + 35.43X651 +
35.43X652 + 35.43X653 + 35.43X654 <= 27850

X437 + X546 + X438 + X547 + X439 + X548 + X440 + X549 + X441 +
X550 + X442 + X551 + X443 + X552 + X444 + X553 + X445 + X554 +
X446 + X555 + X447 + X556 + X448 + X557 + X449 + X558 + X450 +
X559 + X451 + X560 + X452 + X561 + X453 + X562 + X454 + X563 +
X455 + X564 + X456 + X565 <= 716.4

X457 + X566 + X458 + X567 + X459 + X568 + X460 + X569 + X461 +
X570 + X462 + X571 + X463 + X572 + X464 + X573 + X465 + X574 +
X466 + X575 + X467 + X576 + X468 + X577 + X469 + X578 + X470 +
X579 + X471 + X580 + X472 + X581 + X473 + X582 + X474 + X583 +
X475 + X584 + X476 + X585 <= 1064.7

X477 + X586 + X478 + X587 + X479 + X588 + X480 + X589 + X481 +
X590 + X482 + X591 + X483 + X592 + X484 + X593 + X485 + X594 +
X486 + X595 + X487 + X596 + X488 + X597 + X489 + X598 + X490 +
X599 + X491 + X600 + X492 + X601 + X493 + X602 + X494 + X603 +
X495 + X604 + X496 + X605 <= 1041.3

X497 + X606 + X498 + X607 + X499 + X608 + X500 + X609 + X501 +
X610 + X502 + X611 + X503 + X612 + X504 + X613 + X505 + X614 +
X506 + X615 + X507 + X616 + X508 + X617 + X509 + X618 + X510 +
X619 + X511 + X620 + X512 + X621 + X513 + X622 + X514 + X623 +
X515 + X624 + X516 + X625 <= 1097.1

X517 + X626 + X518 + X627 + X519 + X628 + X520 + X629 + X521 +
X630 + X522 + X631 + X523 + X632 + X524 + X633 + X525 + X634 +
X526 + X635 + X527 + X636 + X528 + X637 + X529 + X638 + X530 +
X639 + X531 + X640 + X532 + X641 + X533 + X642 + X534 + X643 +
X535 + X644 + X536 + X645 + X537 + X646 + X538 + X647 + X539 +
X648 + X540 + X649 + X541 + X650 + X542 + X651 + X543 + X652 +
X544 + X653 + X545 + X654 <= 1850.4

X546 <= 0
X547 <= 0
X548 <= 0
X549 <= 0
X550 <= 0
X551 <= 0

X585 <= 0
X586 <= 0
X587 <= 0
X588 <= 0
X589 <= 0
X590 <= 0

X624 <= 0
X625 <= 0
X626 <= 0
X627 <= 0
X628 <= 0
X629 <= 0

X552 <= 0
X553 <= 0
X554 <= 0
X555 <= 0
X556 <= 0
X557 <= 0
X558 <= 0
X559 <= 0
X560 <= 0
X561 <= 0
X562 <= 0
X563 <= 0
X564 <= 0
X565 <= 0
X566 <= 0
X567 <= 0
X568 <= 0
X569 <= 0
X570 <= 0
X571 <= 0
X572 <= 0
X573 <= 0
X574 <= 0
X575 <= 0
X576 <= 0
X577 <= 0
X578 <= 0
X579 <= 0
X580 <= 0
X581 <= 0
X582 <= 0
X583 <= 0
X584 <= 0

X591 <= 0
X592 <= 0
X593 <= 0
X594 <= 0
X595 <= 0
X596 <= 0
X597 <= 0
X598 <= 0
X599 <= 0
X600 <= 0
X601 <= 0
X602 <= 0
X603 <= 0
X604 <= 0
X605 <= 0
X606 <= 0
X607 <= 0
X608 <= 0
X609 <= 0
X610 <= 0
X611 <= 0
X612 <= 0
X613 <= 0
X614 <= 0
X615 <= 0
X616 <= 0
X617 <= 0
X618 <= 0
X619 <= 0
X620 <= 0
X621 <= 0
X622 <= 0
X623 <= 0

X630 <= 0
X631 <= 0
X632 <= 0
X633 <= 0
X634 <= 0
X635 <= 0
X636 <= 0
X637 <= 0
X638 <= 0
X639 <= 0
X640 <= 0
X641 <= 0
X642 <= 0
X643 <= 0
X644 <= 0
X645 <= 0
X646 <= 0
X647 <= 0
X648 <= 0
X649 <= 0
X650 <= 0
X651 <= 0
X652 <= 0
X653 <= 0
X654 <= 0

OUTPUT ALTERNATIF I MUSIM TANAM III

Global optimal solution found.
Objective value: 0.1318705E+11
Infeasibilities: 0.000000
Total solver iterations: 0

Variable	Value	Reduced Cost
X437	0.000000	0.000000
X438	0.000000	0.000000
X439	0.000000	0.000000
X440	0.000000	0.000000
X441	0.000000	0.000000
X442	0.000000	0.000000
X443	0.000000	0.000000
X444	0.000000	0.000000
X445	0.000000	0.000000
X446	0.000000	0.000000
X447	0.000000	0.000000
X448	0.000000	0.000000
X449	0.000000	0.000000
X450	0.000000	0.000000
X451	0.000000	0.000000
X452	0.000000	0.000000
X453	0.000000	0.000000
X454	0.000000	0.000000
X455	0.000000	0.000000
X456	0.000000	0.000000
X457	0.000000	0.000000
X458	0.000000	0.000000
X459	0.000000	0.000000
X460	0.000000	0.000000
X461	0.000000	0.000000
X462	0.000000	0.000000
X463	0.000000	0.000000
X464	0.000000	0.000000
X465	0.000000	0.000000
X466	0.000000	0.000000
X467	0.000000	0.000000
X468	0.000000	0.000000
X469	0.000000	0.000000
X470	0.000000	0.000000
X471	0.000000	0.000000
X472	0.000000	0.000000
X473	0.000000	0.000000
X474	0.000000	0.000000
X475	0.000000	0.000000
X476	0.000000	0.000000
X477	0.000000	0.000000
X478	0.000000	0.000000
X479	0.000000	0.000000
X480	0.000000	0.000000
X481	0.000000	0.000000
X482	0.000000	0.000000
X483	0.000000	0.000000
X484	0.000000	0.000000
X485	0.000000	0.000000
X486	0.000000	0.000000
X487	0.000000	0.000000
X488	0.000000	0.000000
X489	0.000000	0.000000
X490	0.000000	0.000000

X491	0.000000	0.000000
X492	0.000000	0.000000
X493	0.000000	0.000000
X494	0.000000	0.000000
X495	0.000000	0.000000
X496	0.000000	0.000000
X497	0.000000	0.000000
X498	0.000000	0.000000
X499	0.000000	0.000000
X500	0.000000	0.000000
X501	0.000000	0.000000
X502	0.000000	0.000000
X503	0.000000	0.000000
X504	0.000000	0.000000
X505	0.000000	0.000000
X506	0.000000	0.000000
X507	0.000000	0.000000
X508	0.000000	0.000000
X509	0.000000	0.000000
X510	0.000000	0.000000
X511	0.000000	0.000000
X512	0.000000	0.000000
X513	0.000000	0.000000
X514	0.000000	0.000000
X515	0.000000	0.000000
X516	0.000000	0.000000
X517	0.000000	0.000000
X518	0.000000	0.000000
X519	0.000000	0.000000
X520	0.000000	0.000000
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X522	0.000000	0.000000
X523	0.000000	0.000000
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X528	0.000000	0.000000
X529	0.000000	0.000000
X530	0.000000	0.000000
X531	0.000000	0.000000
X532	0.000000	0.000000
X533	0.000000	0.000000
X534	0.000000	0.000000
X535	0.000000	0.000000
X536	0.000000	0.000000
X537	0.000000	0.000000
X538	0.000000	0.000000
X539	0.000000	0.000000
X540	0.000000	0.000000
X541	0.000000	0.000000
X542	0.000000	0.000000
X543	0.000000	0.000000
X544	0.000000	0.000000
X545	524.3834	0.000000
X546	0.000000	0.000000
X547	0.000000	0.000000
X548	0.000000	0.000000
X549	0.000000	0.000000
X550	0.000000	0.000000
X551	0.000000	0.000000
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X561	0.000000	0.000000
X562	0.000000	0.000000
X563	0.000000	0.000000
X564	0.000000	0.000000
X565	0.000000	0.000000
X566	0.000000	0.000000
X567	0.000000	0.000000
X568	0.000000	0.000000
X569	0.000000	0.000000
X570	0.000000	0.000000
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X610	0.000000	0.000000
X611	0.000000	0.000000
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X616	0.000000	0.000000

X617	0.000000	0.000000
X618	0.000000	0.000000
X619	0.000000	0.000000
X620	0.000000	0.000000
X621	0.000000	0.000000
X622	0.000000	0.000000
X623	0.000000	0.000000
X624	0.000000	0.000000
X625	0.000000	0.000000
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X648	0.000000	0.000000
X649	0.000000	0.000000
X650	0.000000	0.000000
X651	0.000000	0.000000
X652	0.000000	0.000000
X653	0.000000	0.000000
X654	0.000000	0.000000

Row	Slack or Surplus	Dual Price
1	0.1318705E+11	1.000000
2	0.000000	473502.6
3	716.4000	0.000000
4	1064.700	0.000000
5	1041.300	0.000000
6	1097.100	0.000000
7	1326.017	0.000000
8	0.000000	1405858.
9	0.000000	1405858.
10	0.000000	1405858.
11	0.000000	1405858.
12	0.000000	1405858.
13	0.000000	1405858.
14	0.000000	1405858.
15	0.000000	1405858.
16	0.000000	1405858.
17	0.000000	1405858.
18	0.000000	1405858.
19	0.000000	1405858.
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26	0.000000	1405858.
27	0.000000	1405858.
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31	0.000000	1405858.
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33	0.000000	1405858.
34	0.000000	1405858.
35	0.000000	1405858.
36	0.000000	1405858.
37	0.000000	1405858.
38	0.000000	1405858.
39	0.000000	1405858.
40	0.000000	1405858.
41	0.000000	1405858.
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44	0.000000	1405858.
45	0.000000	1405858.
46	0.000000	1405858.
47	0.000000	1405858.
48	0.000000	1405858.
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58	0.000000	1405858.
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60	0.000000	1405858.
61	0.000000	1405858.
62	0.000000	1405858.
63	0.000000	1405858.
64	0.000000	1405858.
65	0.000000	1405858.
66	0.000000	1405858.
67	0.000000	1405858.
68	0.000000	1405858.
69	0.000000	1405858.
70	0.000000	1405858.
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74	0.000000	1405858.
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76	0.000000	1405858.
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78	0.000000	1405858.
79	0.000000	1405858.
80	0.000000	1405858.
81	0.000000	1405858.
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83	0.000000	1405858.
84	0.000000	1405858.
85	0.000000	1405858.
86	0.000000	1405858.

87	0.000000	1405858.
88	0.000000	1405858.
89	0.000000	1405858.
90	0.000000	1405858.
91	0.000000	1405858.
92	0.000000	1405858.
93	0.000000	1405858.
94	0.000000	1405858.
95	0.000000	1405858.
96	0.000000	1405858.
97	0.000000	1405858.
98	0.000000	1405858.
99	0.000000	1405858.
100	0.000000	1405858.
101	0.000000	1405858.
102	0.000000	1405858.
103	0.000000	1405858.
104	0.000000	1405858.
105	0.000000	1405858.
106	0.000000	1405858.
107	0.000000	1405858.
108	0.000000	1405858.
109	0.000000	1405858.
110	0.000000	1405858.
111	0.000000	1405858.
112	0.000000	1405858.
113	0.000000	1405858.
114	0.000000	1405858.
115	0.000000	1405858.
116	0.000000	1405858.

! ALTERNATIF II MUSIM TANAM I

MAX 25147720.45X1 + 25147720.45X2 + 25147720.45X3 + 25147720.45X4
+ 25147720.45X5 + 25147720.45X6 + 25147720.45X7 + 25147720.45X8 +
25147720.45X9 + 25147720.45X10 + 25147720.45X11 + 25147720.45X12 +
25147720.45X13 + 25147720.45X14 + 25147720.45X15 + 25147720.45X16
+ 25147720.45X17 + 25147720.45X18 + 25147720.45X19 +
25147720.45X20 + 25147720.45X21 + 25147720.45X22 + 25147720.45X23
+ 25147720.45X24 + 25147720.45X25 + 25147720.45X26 +
25147720.45X27 + 25147720.45X28 + 25147720.45X29 + 25147720.45X30
+ 25147720.45X31 + 25147720.45X32 + 25147720.45X33 +
25147720.45X34 + 25147720.45X35 + 25147720.45X36 + 25147720.45X37
+ 25147720.45X38 + 25147720.45X39 + 25147720.45X40 +
25147720.45X41 + 25147720.45X42 + 25147720.45X43 + 25147720.45X44
+ 25147720.45X45 + 25147720.45X46 + 25147720.45X47 +
25147720.45X48 + 25147720.45X49 + 25147720.45X50 + 25147720.45X51
+ 25147720.45X52 + 25147720.45X53 + 25147720.45X54 +
25147720.45X55 + 25147720.45X56 + 25147720.45X57 + 25147720.45X58
+ 25147720.45X59 + 25147720.45X60 + 25147720.45X61 +
25147720.45X62 + 25147720.45X63 + 25147720.45X64 + 25147720.45X65
+ 25147720.45X66 + 25147720.45X67 + 25147720.45X68 +
25147720.45X69 + 25147720.45X70 + 25147720.45X71 + 25147720.45X72
+ 25147720.45X73 + 25147720.45X74 + 25147720.45X75 +
25147720.45X76 + 25147720.45X77 + 25147720.45X78 + 25147720.45X79
+ 25147720.45X80 + 25147720.45X81 + 25147720.45X82 +
25147720.45X83 + 25147720.45X84 + 25147720.45X85 + 25147720.45X86
+ 25147720.45X87 + 25147720.45X88 + 25147720.45X89 +
25147720.45X90 + 25147720.45X91 + 25147720.45X92 + 25147720.45X93
+ 25147720.45X94 + 25147720.45X95 + 25147720.45X96 +
25147720.45X97 + 25147720.45X98 + 25147720.45X99 + 25147720.45X100
+ 25147720.45X101 + 25147720.45X102 + 25147720.45X103 +
25147720.45X104 + 25147720.45X105 + 25147720.45X106 +
25147720.45X107 + 25147720.45X108 + 25147720.45X109 +
18182053.28X110 + 18182053.28X111 + 18182053.28X112 +
18182053.28X113 + 18182053.28X114 + 18182053.28X115 +
18182053.28X116 + 18182053.28X117 + 18182053.28X118 +
18182053.28X119 + 18182053.28X120 + 18182053.28X121 +
18182053.28X122 + 18182053.28X123 + 18182053.28X124 +
18182053.28X125 + 18182053.28X126 + 18182053.28X127 +
18182053.28X128 + 18182053.28X129 + 18182053.28X130 +
18182053.28X131 + 18182053.28X132 + 18182053.28X133 +
18182053.28X134 + 18182053.28X135 + 18182053.28X136 +
18182053.28X137 + 18182053.28X138 + 18182053.28X139 +
18182053.28X140 + 18182053.28X141 + 18182053.28X142 +
18182053.28X143 + 18182053.28X144 + 18182053.28X145 +
18182053.28X146 + 18182053.28X147 + 18182053.28X148 +
18182053.28X149 + 18182053.28X150 + 18182053.28X151 +
18182053.28X152 + 18182053.28X153 + 18182053.28X154 +
18182053.28X155 + 18182053.28X156 + 18182053.28X157 +
18182053.28X158 + 18182053.28X159 + 18182053.28X160 +
18182053.28X161 + 18182053.28X162 + 18182053.28X163 +
18182053.28X164 + 18182053.28X165 + 18182053.28X166 +
18182053.28X167 + 18182053.28X168 + 18182053.28X169 +
18182053.28X170 + 18182053.28X171 + 18182053.28X172 +
18182053.28X173 + 18182053.28X174 + 18182053.28X175 +
18182053.28X176 + 18182053.28X177 + 18182053.28X178 +

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18182053.28X179 + 18182053.28X180 + 18182053.28X181 +
18182053.28X182 + 18182053.28X183 + 18182053.28X184 +
18182053.28X185 + 18182053.28X186 + 18182053.28X187 +
18182053.28X188 + 18182053.28X189 + 18182053.28X190 +
18182053.28X191 + 18182053.28X192 + 18182053.28X193 +
18182053.28X194 + 18182053.28X195 + 18182053.28X196 +
18182053.28X197 + 18182053.28X198 + 18182053.28X199 +
18182053.28X200 + 18182053.28X201 + 18182053.28X202 +
18182053.28X203 + 18182053.28X204 + 18182053.28X205 +
18182053.28X206 + 18182053.28X207 + 18182053.28X208 +
18182053.28X209 + 18182053.28X210 + 18182053.28X211 +
18182053.28X212 + 18182053.28X213 + 18182053.28X214 +
18182053.28X215 + 18182053.28X216 + 18182053.28X217 +
18182053.28X218
st
53.11X1 + 53.11X2 + 53.11X3 + 53.11X4 + 53.11X5 + 53.11X6 +
53.11X7 + 53.11X8 + 53.11X9 + 53.11X10 + 53.11X11 + 53.11X12 +
53.11X13 + 53.11X14 + 53.11X15 + 53.11X16 + 53.11X17 + 53.11X18 +
53.11X19 + 53.11X20 + 53.11X21 + 53.11X22 + 53.11X23 + 53.11X24 +
53.11X25 + 53.11X26 + 53.11X27 + 53.11X28 + 53.11X29 + 53.11X30 +
53.11X31 + 53.11X32 + 53.11X33 + 53.11X34 + 53.11X35 + 53.11X36 +
53.11X37 + 53.11X38 + 53.11X39 + 53.11X40 + 53.11X41 + 53.11X42 +
53.11X43 + 53.11X44 + 53.11X45 + 53.11X46 + 53.11X47 + 53.11X48 +
53.11X49 + 53.11X50 + 53.11X51 + 53.11X52 + 53.11X53 + 53.11X54 +
53.11X55 + 53.11X56 + 53.11X57 + 53.11X58 + 53.11X59 + 53.11X60 +
53.11X61 + 53.11X62 + 53.11X63 + 53.11X64 + 53.11X65 + 53.11X66 +
53.11X67 + 53.11X68 + 53.11X69 + 53.11X70 + 53.11X71 + 53.11X72 +
53.11X73 + 53.11X74 + 53.11X75 + 53.11X76 + 53.11X77 + 53.11X78 +
53.11X79 + 53.11X80 + 53.11X81 + 53.11X82 + 53.11X83 + 53.11X84 +
53.11X85 + 53.11X86 + 53.11X87 + 53.11X88 + 53.11X89 + 53.11X90 +
53.11X91 + 53.11X92 + 53.11X93 + 53.11X94 + 53.11X95 + 53.11X96 +
53.11X97 + 53.11X98 + 53.11X99 + 53.11X100 + 53.11X101 + 53.11X102
+ 53.11X103 + 53.11X104 + 53.11X105 + 53.11X106 + 53.11X107 +
53.11X108 + 53.11X109 + 35.43X110 + 35.43X111 + 35.43X112 +
35.43X113 + 35.43X114 + 35.43X115 + 35.43X116 + 35.43X117 +
35.43X118 + 35.43X119 + 35.43X120 + 35.43X121 + 35.43X122 +
35.43X123 + 35.43X124 + 35.43X125 + 35.43X126 + 35.43X127 +
35.43X128 + 35.43X129 + 35.43X130 + 35.43X131 + 35.43X132 +
35.43X133 + 35.43X134 + 35.43X135 + 35.43X136 + 35.43X137 +
35.43X138 + 35.43X139 + 35.43X140 + 35.43X141 + 35.43X142 +
35.43X143 + 35.43X144 + 35.43X145 + 35.43X146 + 35.43X147 +
35.43X148 + 35.43X149 + 35.43X150 + 35.43X151 + 35.43X152 +
35.43X153 + 35.43X154 + 35.43X155 + 35.43X156 + 35.43X157 +
35.43X158 + 35.43X159 + 35.43X160 + 35.43X161 + 35.43X162 +
35.43X163 + 35.43X164 + 35.43X165 + 35.43X166 + 35.43X167 +
35.43X168 + 35.43X169 + 35.43X170 + 35.43X171 + 35.43X172 +
35.43X173 + 35.43X174 + 35.43X175 + 35.43X176 + 35.43X177 +
35.43X178 + 35.43X179 + 35.43X180 + 35.43X181 + 35.43X182 +
35.43X183 + 35.43X184 + 35.43X185 + 35.43X186 + 35.43X187 +
35.43X188 + 35.43X189 + 35.43X190 + 35.43X191 + 35.43X192 +
35.43X193 + 35.43X194 + 35.43X195 + 35.43X196 + 35.43X197 +
35.43X198 + 35.43X199 + 35.43X200 + 35.43X201 + 35.43X202 +
35.43X203 + 35.43X204 + 35.43X205 + 35.43X206 + 35.43X207 +
35.43X208 + 35.43X209 + 35.43X210 + 35.43X211 + 35.43X212 +
35.43X213 + 35.43X214 + 35.43X215 + 35.43X216 + 35.43X217 +
35.43X218 <= 202700
```

X1 + X110 + X2 + X111 + X3 + X112 + X4 + X113 + X5 + X114 + X6 + X115 + X7 + X116 + X8 + X117 + X9 + X118 + X10 +X119 + X11 + X120 + X12 + X121 + X13 + X122 + X14 + X123 + X15 + X124 + X16 + X125 + X17 + X126 + X18 + X127 + X19 + X128 + X20 + X129 <= 796

X21 + X130 + X22 + X131 + X23 + X132 + X24 + X133 + X25 + X134 + X26 + X135 + X27 + X136 + X28 + X137 + X29 + X138 + X30 + X139 + X31 + X140 + X32 + X141 + X33 + X142 + X34 + X143 + X35 + X144 + X36 + X145 + X37 + X146 + X38 + X147 + X39 + X148 + X40 + X149 <= 1183

X41 + X150 + X42 + X151 + X43 + X152 + X44 + X153 + X45 + X154 + X46 + X155 + X47 + X156 + X48 + X157 + X49 + X158 + X50 + X159 + X51 + X160 + X52 + X161 + X53 + X162 + X54 + X163 + X55 + X164 + X56 + X165 + X57 + X166 + X58 + X167 + X59 + X168 + X60 + X169 <= 1157

X61 + X170 + X62 + X171 + X63 + X172 + X64 + X173 + X65 + X174 + X66 + X175 + X67 + X176 + X68 + X177 + X69 + X178 + X70 + X179 + X71 + X180 + X72 + X181 + X73 + X182 + X74 + X183 + X75 + X184 + X76 + X185 + X77 + X186 + X78 + X187 + X79 + X188 + X80 + X189 <= 1219

X81 + X190 + X82 + X191 + X83 + X192 + X84 + X193 + X85 + X194 + X86 + X195 + X87 + X196 + X88 + X197 + X89 + X198 + X90 + X199 + X91 + X200 + X92 + X201 + X93 + X202 + X94 + X203 + X95 + X204 + X96 + X205 + X97 + X206 + X98 + X207 + X99 + X208 + X100 + X209 + X101 + X210 + X102 + X211 + X103 + X212 + X104 + X213 + X105 + X214 + X106 + X215 + X107 + X216 + X108 + X217 + X109 + X218 <= 2056

X110 <= 12
X111 <= 1.5
X112 <= 1.8
X113 <= 3.7
X114 <= 4.1
X115 <= 0.3
X116 <= 0.6
X117 <= 4.1
X118 <= 1.1
X119 <= 4.3
X120 <= 0.9
X121 <= 1.7
X122 <= 2.9
X123 <= 1.1
X124 <= 2.7
X125 <= 9.4
X126 <= 6.6
X127 <= 7.8
X128 <= 6.4
X129 <= 6.6

X149 <= 2.2
X150 <= 11
X151 <= 12.5
X152 <= 4.1
X153 <= 18
X154 <= 1
X155 <= 9
X156 <= 2.8
X157 <= 10.5
X158 <= 3.4
X159 <= 6.5
X160 <= 4.4
X161 <= 2.2
X162 <= 3.7
X163 <= 4.6
X164 <= 1
X165 <= 3
X166 <= 3.7
X167 <= 4.1
X168 <= 4.3

X188 <= 4.2
X189 <= 2.4
X190 <= 10.1
X191 <= 10.4
X192 <= 10
X193 <= 7.4
X194 <= 8.8
X195 <= 8.8
X196 <= 4.7
X197 <= 8.8
X198 <= 5
X199 <= 7.9
X200 <= 4.5
X201 <= 4.1
X202 <= 4
X203 <= 3.8
X204 <= 13.5
X205 <= 9.1
X206 <= 5.5
X207 <= 12.4

X130 <= 6
X131 <= 6.5
X132 <= 7
X133 <= 4
X134 <= 4
X135 <= 5.6
X136 <= 3
X137 <= 5
X138 <= 10.7
X139 <= 5.1
X140 <= 9
X141 <= 12.5
X142 <= 3.5
X143 <= 13.4
X144 <= 5.2
X145 <= 2.8
X146 <= 5.5
X147 <= 5.3
X148 <= 2

X169 <= 5.9
X170 <= 1
X171 <= 2.7
X172 <= 1
X173 <= 2
X174 <= 6.1
X175 <= 9.5
X176 <= 6.5
X177 <= 14.1
X178 <= 3
X179 <= 4.2
X180 <= 9.4
X181 <= 7
X182 <= 8
X183 <= 6
X184 <= 7.4
X185 <= 12
X186 <= 5.3
X187 <= 10.1

X208 <= 3.5
X209 <= 9.1
X210 <= 8
X211 <= 5.8
X212 <= 9.2
X213 <= 5.2
X214 <= 5.5
X215 <= 5.3
X216 <= 6.8
X217 <= 4.3
X218 <= 4.1

OUTPUT ALTERNATIF II MUSIM TANAM I

Global optimal solution found.
Objective value: 0.9688026E+11
Infeasibilities: 0.000000
Total solver iterations: 7

Variable	Value	Reduced Cost
X1	0.000000	0.000000
X2	0.000000	0.000000
X3	0.000000	0.000000
X4	0.000000	0.000000
X5	0.000000	0.000000
X6	0.000000	0.000000
X7	0.000000	0.000000
X8	0.000000	0.000000
X9	0.000000	0.000000
X10	0.000000	0.000000
X11	0.000000	0.000000
X12	0.000000	0.000000
X13	0.000000	0.000000
X14	0.000000	0.000000
X15	0.000000	0.000000
X16	0.000000	0.000000
X17	0.000000	0.000000
X18	0.000000	0.000000
X19	0.000000	0.000000
X20	0.000000	0.000000
X21	0.000000	0.000000
X22	0.000000	0.000000
X23	0.000000	0.000000
X24	0.000000	0.000000
X25	0.000000	0.000000
X26	0.000000	0.000000
X27	0.000000	0.000000
X28	0.000000	0.000000
X29	0.000000	0.000000
X30	0.000000	0.000000
X31	0.000000	0.000000
X32	0.000000	0.000000
X33	0.000000	0.000000
X34	0.000000	0.000000
X35	0.000000	0.000000
X36	0.000000	0.000000
X37	0.000000	0.000000
X38	0.000000	0.000000
X39	0.000000	0.000000
X40	497.2254	0.000000
X41	0.000000	0.000000
X42	0.000000	0.000000
X43	0.000000	0.000000
X44	0.000000	0.000000
X45	0.000000	0.000000
X46	0.000000	0.000000
X47	0.000000	0.000000
X48	0.000000	0.000000
X49	0.000000	0.000000
X50	0.000000	0.000000
X51	0.000000	0.000000
X52	0.000000	0.000000
X53	0.000000	0.000000
X54	0.000000	0.000000

X55	0.000000	0.000000
X56	0.000000	0.000000
X57	0.000000	0.000000
X58	0.000000	0.000000
X59	0.000000	0.000000
X60	1041.300	0.000000
X61	0.000000	0.000000
X62	0.000000	0.000000
X63	0.000000	0.000000
X64	0.000000	0.000000
X65	0.000000	0.000000
X66	0.000000	0.000000
X67	0.000000	0.000000
X68	0.000000	0.000000
X69	0.000000	0.000000
X70	0.000000	0.000000
X71	0.000000	0.000000
X72	0.000000	0.000000
X73	0.000000	0.000000
X74	0.000000	0.000000
X75	0.000000	0.000000
X76	0.000000	0.000000
X77	0.000000	0.000000
X78	0.000000	0.000000
X79	0.000000	0.000000
X80	0.000000	0.000000
X81	0.000000	0.000000
X82	0.000000	0.000000
X83	0.000000	0.000000
X84	0.000000	0.000000
X85	0.000000	0.000000
X86	0.000000	0.000000
X87	0.000000	0.000000
X88	0.000000	0.000000
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X95	0.000000	0.000000
X96	0.000000	0.000000
X97	0.000000	0.000000
X98	0.000000	0.000000
X99	0.000000	0.000000
X100	0.000000	0.000000
X101	0.000000	0.000000
X102	0.000000	0.000000
X103	0.000000	0.000000
X104	0.000000	0.000000
X105	0.000000	0.000000
X106	0.000000	0.000000
X107	0.000000	0.000000
X108	0.000000	0.000000
X109	1850.400	0.000000
X110	12.00000	0.000000
X111	1.500000	0.000000
X112	1.800000	0.000000
X113	3.700000	0.000000
X114	4.100000	0.000000
X115	0.3000000	0.000000
X116	0.6000000	0.000000
X117	4.100000	0.000000

X118	1.100000	0.000000
X119	4.300000	0.000000
X120	0.9000000	0.000000
X121	1.700000	0.000000
X122	2.900000	0.000000
X123	1.100000	0.000000
X124	2.700000	0.000000
X125	9.400000	0.000000
X126	6.600000	0.000000
X127	7.800000	0.000000
X128	6.400000	0.000000
X129	6.600000	0.000000
X130	6.000000	0.000000
X131	6.500000	0.000000
X132	7.000000	0.000000
X133	4.000000	0.000000
X134	4.000000	0.000000
X135	5.600000	0.000000
X136	3.000000	0.000000
X137	5.000000	0.000000
X138	10.70000	0.000000
X139	5.100000	0.000000
X140	9.000000	0.000000
X141	12.50000	0.000000
X142	3.500000	0.000000
X143	13.40000	0.000000
X144	5.200000	0.000000
X145	2.800000	0.000000
X146	5.500000	0.000000
X147	5.300000	0.000000
X148	2.000000	0.000000
X149	2.200000	0.000000
X150	11.00000	0.000000
X151	12.50000	0.000000
X152	4.100000	0.000000
X153	18.00000	0.000000
X154	1.000000	0.000000
X155	9.000000	0.000000
X156	2.800000	0.000000
X157	10.50000	0.000000
X158	3.400000	0.000000
X159	6.500000	0.000000
X160	4.400000	0.000000
X161	2.200000	0.000000
X162	3.700000	0.000000
X163	4.600000	0.000000
X164	1.000000	0.000000
X165	3.000000	0.000000
X166	3.700000	0.000000
X167	4.100000	0.000000
X168	4.300000	0.000000
X169	5.900000	0.000000
X170	1.000000	0.000000
X171	2.700000	0.000000
X172	1.000000	0.000000
X173	2.000000	0.000000
X174	6.100000	0.000000
X175	9.500000	0.000000
X176	6.500000	0.000000
X177	14.10000	0.000000
X178	3.000000	0.000000
X179	4.200000	0.000000
X180	9.400000	0.000000

X181	7.000000	0.000000
X182	8.000000	0.000000
X183	6.000000	0.000000
X184	7.400000	0.000000
X185	12.00000	0.000000
X186	5.300000	0.000000
X187	10.10000	0.000000
X188	4.200000	0.000000
X189	2.400000	0.000000
X190	10.10000	0.000000
X191	10.40000	0.000000
X192	10.00000	0.000000
X193	7.400000	0.000000
X194	8.800000	0.000000
X195	8.800000	0.000000
X196	4.700000	0.000000
X197	8.800000	0.000000
X198	5.000000	0.000000
X199	7.900000	0.000000
X200	4.500000	0.000000
X201	4.100000	0.000000
X202	4.000000	0.000000
X203	3.800000	0.000000
X204	13.50000	0.000000
X205	9.100000	0.000000
X206	5.500000	0.000000
X207	12.40000	0.000000
X208	3.500000	0.000000
X209	9.100000	0.000000
X210	8.000000	0.000000
X211	5.800000	0.000000
X212	9.200000	0.000000
X213	5.200000	0.000000
X214	5.500000	0.000000
X215	5.300000	0.000000
X216	6.800000	0.000000
X217	4.300000	0.000000
X218	4.100000	0.000000

Row	Slack or Surplus	Dual Price
1	0.9688026E+11	1.000000
2	0.000000	473502.6
3	716.4000	0.000000
4	567.4746	0.000000
5	0.000000	0.000000
6	1097.100	0.000000
7	0.000000	0.000000
8	0.000000	1405858.
9	0.000000	1405858.
10	0.000000	1405858.
11	0.000000	1405858.
12	0.000000	1405858.
13	0.000000	1405858.
14	0.000000	1405858.
15	0.000000	1405858.
16	0.000000	1405858.
17	0.000000	1405858.
18	0.000000	1405858.
19	0.000000	1405858.
20	0.000000	1405858.
21	0.000000	1405858.
22	0.000000	1405858.
23	0.000000	1405858.

24	0.000000	1405858.
25	0.000000	1405858.
26	0.000000	1405858.
27	0.000000	1405858.
28	0.000000	1405858.
29	0.000000	1405858.
30	0.000000	1405858.
31	0.000000	1405858.
32	0.000000	1405858.
33	0.000000	1405858.
34	0.000000	1405858.
35	0.000000	1405858.
36	0.000000	1405858.
37	0.000000	1405858.
38	0.000000	1405858.
39	0.000000	1405858.
40	0.000000	1405858.
41	0.000000	1405858.
42	0.000000	1405858.
43	0.000000	1405858.
44	0.000000	1405858.
45	0.000000	1405858.
46	0.000000	1405858.
47	0.000000	1405858.
48	0.000000	1405858.
49	0.000000	1405858.
50	0.000000	1405858.
51	0.000000	1405858.
52	0.000000	1405858.
53	0.000000	1405858.
54	0.000000	1405858.
55	0.000000	1405858.
56	0.000000	1405858.
57	0.000000	1405858.
58	0.000000	1405858.
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61	0.000000	1405858.
62	0.000000	1405858.
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66	0.000000	1405858.
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74	0.000000	1405858.
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77	0.000000	1405858.
78	0.000000	1405858.
79	0.000000	1405858.
80	0.000000	1405858.
81	0.000000	1405858.
82	0.000000	1405858.
83	0.000000	1405858.
84	0.000000	1405858.
85	0.000000	1405858.
86	0.000000	1405858.

87	0.000000	1405858.
88	0.000000	1405858.
89	0.000000	1405858.
90	0.000000	1405858.
91	0.000000	1405858.
92	0.000000	1405858.
93	0.000000	1405858.
94	0.000000	1405858.
95	0.000000	1405858.
96	0.000000	1405858.
97	0.000000	1405858.
98	0.000000	1405858.
99	0.000000	1405858.
100	0.000000	1405858.
101	0.000000	1405858.
102	0.000000	1405858.
103	0.000000	1405858.
104	0.000000	1405858.
105	0.000000	1405858.
106	0.000000	1405858.
107	0.000000	1405858.
108	0.000000	1405858.
109	0.000000	1405858.
110	0.000000	1405858.
111	0.000000	1405858.
112	0.000000	1405858.
113	0.000000	1405858.
114	0.000000	1405858.
115	0.000000	1405858.
116	0.000000	1405858.

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! ALTERNATIF II MUSIM TANAM II

MAX 25147720.45X219 + 25147720.45X220 + 25147720.45X221 +
25147720.45X222 + 25147720.45X223 + 25147720.45X224 +
25147720.45X225 + 25147720.45X226 + 25147720.45X227 +
25147720.45X228 + 25147720.45X229 + 25147720.45X230 +
25147720.45X231 + 25147720.45X232 + 25147720.45X233 +
25147720.45X234 + 25147720.45X235 + 25147720.45X236 +
25147720.45X237 + 25147720.45X238 + 25147720.45X239 +
25147720.45X240 + 25147720.45X241 + 25147720.45X242 +
25147720.45X243 + 25147720.45X244 + 25147720.45X245 +
25147720.45X246 + 25147720.45X247 + 25147720.45X248 +
25147720.45X249 + 25147720.45X250 + 25147720.45X251 +
25147720.45X252 + 25147720.45X253 + 25147720.45X254 +
25147720.45X255 + 25147720.45X256 + 25147720.45X257 +
25147720.45X258 + 25147720.45X259 + 25147720.45X260 +
25147720.45X261 + 25147720.45X262 + 25147720.45X263 +
25147720.45X264 + 25147720.45X265 + 25147720.45X266 +
25147720.45X267 + 25147720.45X268 + 25147720.45X269 +
25147720.45X270 + 25147720.45X271 + 25147720.45X272 +
25147720.45X273 + 25147720.45X274 + 25147720.45X275 +
25147720.45X276 + 25147720.45X277 + 25147720.45X278 +
25147720.45X279 + 25147720.45X280 + 25147720.45X281 +
25147720.45X282 + 25147720.45X283 + 25147720.45X284 +
25147720.45X285 + 25147720.45X286 + 25147720.45X287 +
25147720.45X288 + 25147720.45X289 + 25147720.45X290 +
25147720.45X291 + 25147720.45X292 + 25147720.45X293 +
25147720.45X294 + 25147720.45X295 + 25147720.45X296 +
25147720.45X297 + 25147720.45X298 + 25147720.45X299 +
25147720.45X300 + 25147720.45X301 + 25147720.45X302 +
25147720.45X303 + 25147720.45X304 + 25147720.45X305 +
25147720.45X306 + 25147720.45X307 + 25147720.45X308 +
25147720.45X309 + 25147720.45X310 + 25147720.45X311 +
25147720.45X312 + 25147720.45X313 + 25147720.45X314 +
25147720.45X315 + 25147720.45X316 + 25147720.45X317 +
25147720.45X318 + 25147720.45X319 + 25147720.45X320 +
25147720.45X321 + 25147720.45X322 + 25147720.45X323 +
25147720.45X324 + 25147720.45X325 + 25147720.45X326 +
25147720.45X327 + 18182053.28X328 + 18182053.28X329 +
18182053.28X330 + 18182053.28X331 + 18182053.28X332 +
18182053.28X333 + 18182053.28X334 + 18182053.28X335 +
18182053.28X336 + 18182053.28X337 + 18182053.28X338 +
18182053.28X339 + 18182053.28X340 + 18182053.28X341 +
18182053.28X342 + 18182053.28X343 + 18182053.28X344 +
18182053.28X345 + 18182053.28X346 + 18182053.28X347 +
18182053.28X348 + 18182053.28X349 + 18182053.28X350 +
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18182053.28X357 + 18182053.28X358 + 18182053.28X359 +
18182053.28X360 + 18182053.28X361 + 18182053.28X362 +
18182053.28X363 + 18182053.28X364 + 18182053.28X365 +
18182053.28X366 + 18182053.28X367 + 18182053.28X368 +
18182053.28X369 + 18182053.28X370 + 18182053.28X371 +
18182053.28X372 + 18182053.28X373 + 18182053.28X374 +
18182053.28X375 + 18182053.28X376 + 18182053.28X377 +
18182053.28X378 + 18182053.28X379 + 18182053.28X380 +
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18182053.28X381 + 18182053.28X382 + 18182053.28X383 +
18182053.28X384 + 18182053.28X385 + 18182053.28X386 +
18182053.28X387 + 18182053.28X388 + 18182053.28X389 +
18182053.28X390 + 18182053.28X391 + 18182053.28X392 +
18182053.28X393 + 18182053.28X394 + 18182053.28X395 +
18182053.28X396 + 18182053.28X397 + 18182053.28X398 +
18182053.28X399 + 18182053.28X400 + 18182053.28X401 +
18182053.28X402 + 18182053.28X403 + 18182053.28X404 +
18182053.28X405 + 18182053.28X406 + 18182053.28X407 +
18182053.28X408 + 18182053.28X409 + 18182053.28X410 +
18182053.28X411 + 18182053.28X412 + 18182053.28X413 +
18182053.28X414 + 18182053.28X415 + 18182053.28X416 +
18182053.28X417 + 18182053.28X418 + 18182053.28X419 +
18182053.28X420 + 18182053.28X421 + 18182053.28X422 +
18182053.28X423 + 18182053.28X424 + 18182053.28X425 +
18182053.28X426 + 18182053.28X427 + 18182053.28X428 +
18182053.28X429 + 18182053.28X430 + 18182053.28X431 +
18182053.28X432 + 18182053.28X433 + 18182053.28X434 +
18182053.28X435 + 18182053.28X436
st
44.26X219 + 44.26X220 + 44.26X221 + 44.26X222 + 44.26X223 +
44.26X224 + 44.26X225 + 44.26X226 + 44.26X227 + 44.26X228 +
44.26X229 + 44.26X230 + 44.26X231 + 44.26X232 + 44.26X233 +
44.26X234 + 44.26X235 + 44.26X236 + 44.26X237 + 44.26X238 +
44.26X239 + 44.26X240 + 44.26X241 + 44.26X242 + 44.26X243 +
44.26X244 + 44.26X245 + 44.26X246 + 44.26X247 + 44.26X248 +
44.26X249 + 44.26X250 + 44.26X251 + 44.26X252 + 44.26X253 +
44.26X254 + 44.26X255 + 44.26X256 + 44.26X257 + 44.26X258 +
44.26X259 + 44.26X260 + 44.26X261 + 44.26X262 + 44.26X263 +
44.26X264 + 44.26X265 + 44.26X266 + 44.26X267 + 44.26X268 +
44.26X269 + 44.26X270 + 44.26X271 + 44.26X272 + 44.26X273 +
44.26X274 + 44.26X275 + 44.26X276 + 44.26X277 + 44.26X278 +
44.26X279 + 44.26X280 + 44.26X281 + 44.26X282 + 44.26X283 +
44.26X284 + 44.26X285 + 44.26X286 + 44.26X287 + 44.26X288 +
44.26X289 + 44.26X290 + 44.26X291 + 44.26X292 + 44.26X293 +
44.26X294 + 44.26X295 + 44.26X296 + 44.26X297 + 44.26X298 +
44.26X299 + 44.26X300 + 44.26X301 + 44.26X302 + 44.26X303 +
44.26X304 + 44.26X305 + 44.26X306 + 44.26X307 + 44.26X308 +
44.26X309 + 44.26X310 + 44.26X311 + 44.26X312 + 44.26X313 +
44.26X314 + 44.26X315 + 44.26X316 + 44.26X317 + 44.26X318 +
44.26X319 + 44.26X320 + 44.26X321 + 44.26X322 + 44.26X323 +
44.26X324 + 44.26X325 + 44.26X326 + 44.26X327 + 44.27X328 +
44.27X329 + 44.27X330 + 44.27X331 + 44.27X332 + 44.27X333 +
44.27X334 + 44.27X335 + 44.27X336 + 44.27X337 + 44.27X338 +
44.27X339 + 44.27X340 + 44.27X341 + 44.27X342 + 44.27X343 +
44.27X344 + 44.27X345 + 44.27X346 + 44.27X347 + 44.27X348 +
44.27X349 + 44.27X350 + 44.27X351 + 44.27X352 + 44.27X353 +
44.27X354 + 44.27X355 + 44.27X356 + 44.27X357 + 44.27X358 +
44.27X359 + 44.27X360 + 44.27X361 + 44.27X362 + 44.27X363 +
44.27X364 + 44.27X365 + 44.27X366 + 44.27X367 + 44.27X368 +
44.27X369 + 44.27X370 + 44.27X371 + 44.27X372 + 44.27X373 +
44.27X374 + 44.27X375 + 44.27X376 + 44.27X377 + 44.27X378 +
44.27X379 + 44.27X380 + 44.27X381 + 44.27X382 + 44.27X383 +
44.27X384 + 44.27X385 + 44.27X386 + 44.27X387 + 44.27X388 +
44.27X389 + 44.27X390 + 44.27X391 + 44.27X392 + 44.27X393 +
44.27X394 + 44.27X395 + 44.27X396 + 44.27X397 + 44.27X398 +

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44.27X399 + 44.27X400 + 44.27X401 + 44.27X402 + 44.27X403 +
44.27X404 + 44.27X405 + 44.27X406 + 44.27X407 + 44.27X408 +
44.27X409 + 44.27X410 + 44.27X411 + 44.27X412 + 44.27X413 +
44.27X414 + 44.27X415 + 44.27X416 + 44.27X417 + 44.27X418 +
44.27X419 + 44.27X420 + 44.27X421 + 44.27X422 + 44.27X423 +
44.27X424 + 44.27X425 + 44.27X426 + 44.27X427 + 44.27X428 +
44.27X429 + 44.27X430 + 44.27X431 + 44.27X432 + 44.27X433 +
44.27X434 + 44.27X435 + 44.27X436 <= 173000


X219 + X328 + X220 + X329 + X221 + X330 + X222 + X331 + X223 +
X332 + X224 + X333 + X225 + X334 + X226 + X335 + X227 + X336 +
X228 + X337 + X229 + X338 + X230 + X339 + X231 + X340 + X232 +
X341 + X233 + X342 + X234 + X343 + X235 + X344 + X236 + X345 +
X237 + X346 + X238 + X347 <= 796

X239 + X348 + X240 + X349 + X241 + X350 + X242 + X351 + X243 +
X352 + X244 + X353 + X245 + X354 + X246 + X355 + X247 + X356 +
X248 + X357 + X249 + X358 + X250 + X359 + X251 + X360 + X252 +
X361 + X253 + X362 + X254 + X363 + X255 + X364 + X256 + X365 +
X257 + X366 + X258 + X367 <= 1183

X259 + X368 + X260 + X369 + X261 + X370 + X262 + X371 + X263 +
X372 + X264 + X373 + X265 + X374 + X266 + X375 + X267 + X376 +
X268 + X377 + X269 + X378 + X270 + X379 + X271 + X380 + X272 +
X381 + X273 + X382 + X274 + X383 + X275 + X384 + X276 + X385 +
X277 + X386 + X278 + X387 <= 1157


X279 + X388 + X280 + X389 + X281 + X390 + X282 + X391 + X283 +
X392 + X284 + X393 + X285 + X394 + X286 + X395 + X287 + X396 +
X288 + X397 + X289 + X398 + X290 + X399 + X291 + X400 + X292 +
X401 + X293 + X402 + X294 + X403 + X295 + X404 + X296 + X405 +
X297 + X406 + X298 + X407 <= 1219

X299 + X408 + X300 + X409 + X301 + X410 + X302 + X411 + X303 +
X412 + X304 + X413 + X305 + X414 + X306 + X415 + X307 + X416 +
X308 + X417 + X309 + X418 + X310 + X419 + X311 + X420 + X312 +
X421 + X313 + X422 + X314 + X423 + X315 + X424 + X316 + X425 +
X317 + X426 + X318 + X427 + X319 + X428 + X320 + X429 + X321 +
X430 + X322 + X431 + X323 + X432 + X324 + X433 + X325 + X434 +
X326 + X435 + X327 + X436 <= 2056



X328 <= 12
X329 <= 1.5
X330 <= 1.8
X331 <= 3.7
X332 <= 4.1
X333 <= 0.3
X334 <= 0.6
X335 <= 4.1
X336 <= 1.1
X337 <= 4.3
X338 <= 0.9

X367 <= 2.2
X368 <= 11
X369 <= 12.5
X370 <= 4.1
X371 <= 18
X372 <= 1
X373 <= 9
X374 <= 2.8
X375 <= 10.5
X376 <= 3.4
X377 <= 6.5

X406 <= 4.2
X407 <= 2.4
X408 <= 10.1
X409 <= 10.4
X410 <= 10
X411 <= 7.4
X412 <= 8.8
X413 <= 8.8
X414 <= 4.7
X415 <= 8.8
X416 <= 5
```

X339 <= 1.7
X340 <= 2.9
X341 <= 1.1
X342 <= 2.7
X343 <= 9.4
X344 <= 6.6
X345 <= 7.8
X346 <= 6.4
X347 <= 6.6
X348 <= 6
X349 <= 6.5
X350 <= 7
X351 <= 4
X352 <= 4
X353 <= 5.6
X354 <= 3
X355 <= 5
X356 <= 10.7
X357 <= 5.1
X358 <= 9
X359 <= 12.5
X360 <= 3.5
X361 <= 13.4
X362 <= 5.2
X363 <= 2.8
X364 <= 5.5
X365 <= 5.3
X366 <= 2
X378 <= 4.4
X379 <= 2.2
X380 <= 3.7
X381 <= 4.6
X382 <= 1
X383 <= 3
X384 <= 3.7
X385 <= 4.1
X386 <= 4.3
X387 <= 5.9
X388 <= 1
X389 <= 2.7
X390 <= 1
X391 <= 2
X392 <= 6.1
X393 <= 9.5
X394 <= 6.5
X395 <= 14.1
X396 <= 3
X397 <= 4.2
X398 <= 9.4
X399 <= 7
X400 <= 8
X401 <= 6
X402 <= 7.4
X403 <= 12
X404 <= 5.3
X405 <= 10.1
X417 <= 7.9
X418 <= 4.5
X419 <= 4.1
X420 <= 4
X421 <= 3.8
X422 <= 13.5
X423 <= 9.1
X424 <= 5.5
X425 <= 12.4
X426 <= 3.5
X427 <= 9.1
X428 <= 8
X429 <= 5.8
X430 <= 9.2
X431 <= 5.2
X432 <= 5.5
X433 <= 5.3
X434 <= 6.8
X435 <= 4.3
X436 <= 4.1

OUTPUT ALTERNATIF II MUSIM TANAM II

Global optimal solution found.
Objective value: 0.9829543E+11
Infeasibilities: 0.000000
Total solver iterations: 7

Variable	Value	Reduced Cost
X219	0.000000	0.3725290E-08
X220	0.000000	0.3725290E-08
X221	0.000000	0.3725290E-08
X222	0.000000	0.3725290E-08
X223	0.000000	0.3725290E-08
X224	0.000000	0.3725290E-08
X225	0.000000	0.3725290E-08
X226	0.000000	0.3725290E-08
X227	0.000000	0.3725290E-08
X228	0.000000	0.3725290E-08
X229	0.000000	0.3725290E-08
X230	0.000000	0.3725290E-08
X231	0.000000	0.3725290E-08
X232	0.000000	0.3725290E-08
X233	0.000000	0.3725290E-08
X234	0.000000	0.3725290E-08
X235	0.000000	0.3725290E-08
X236	0.000000	0.3725290E-08
X237	0.000000	0.3725290E-08
X238	0.000000	0.3725290E-08
X239	0.000000	0.3725290E-08
X240	0.000000	0.3725290E-08
X241	0.000000	0.3725290E-08
X242	0.000000	0.3725290E-08
X243	0.000000	0.3725290E-08
X244	0.000000	0.3725290E-08
X245	0.000000	0.3725290E-08
X246	0.000000	0.3725290E-08
X247	0.000000	0.3725290E-08
X248	0.000000	0.3725290E-08
X249	0.000000	0.3725290E-08
X250	0.000000	0.3725290E-08
X251	0.000000	0.3725290E-08
X252	0.000000	0.3725290E-08
X253	0.000000	0.3725290E-08
X254	0.000000	0.3725290E-08
X255	0.000000	0.3725290E-08
X256	0.000000	0.3725290E-08
X257	0.000000	0.3725290E-08
X258	0.000000	0.3725290E-08
X259	0.000000	0.3725290E-08
X260	0.000000	0.3725290E-08
X261	0.000000	0.3725290E-08
X262	0.000000	0.3725290E-08
X263	0.000000	0.3725290E-08
X264	0.000000	0.3725290E-08
X265	0.000000	0.3725290E-08
X266	0.000000	0.3725290E-08
X267	0.000000	0.3725290E-08
X268	0.000000	0.3725290E-08
X269	0.000000	0.3725290E-08
X270	0.000000	0.3725290E-08
X271	0.000000	0.3725290E-08
X272	0.000000	0.3725290E-08

X273	0.000000	0.3725290E-08
X274	0.000000	0.3725290E-08
X275	0.000000	0.3725290E-08
X276	0.000000	0.3725290E-08
X277	0.000000	0.3725290E-08
X278	633.7212	0.3725290E-08
X279	0.000000	0.000000
X280	0.000000	0.000000
X281	0.000000	0.000000
X282	0.000000	0.000000
X283	0.000000	0.000000
X284	0.000000	0.000000
X285	0.000000	0.000000
X286	0.000000	0.000000
X287	0.000000	0.000000
X288	0.000000	0.000000
X289	0.000000	0.000000
X290	0.000000	0.000000
X291	0.000000	0.000000
X292	0.000000	0.000000
X293	0.000000	0.000000
X294	0.000000	0.000000
X295	0.000000	0.000000
X296	0.000000	0.000000
X297	0.000000	0.000000
X298	1219.000	0.000000
X299	0.000000	0.000000
X300	0.000000	0.000000
X301	0.000000	0.000000
X302	0.000000	0.000000
X303	0.000000	0.000000
X304	0.000000	0.000000
X305	0.000000	0.000000
X306	0.000000	0.000000
X307	0.000000	0.000000
X308	0.000000	0.000000
X309	0.000000	0.000000
X310	0.000000	0.000000
X311	0.000000	0.000000
X312	0.000000	0.000000
X313	0.000000	0.000000
X314	0.000000	0.000000
X315	0.000000	0.000000
X316	0.000000	0.000000
X317	0.000000	0.000000
X318	0.000000	0.000000
X319	0.000000	0.000000
X320	0.000000	0.000000
X321	0.000000	0.000000
X322	0.000000	0.000000
X323	0.000000	0.000000
X324	0.000000	0.000000
X325	0.000000	0.000000
X326	0.000000	0.000000
X327	2056.000	0.000000
X328	0.000000	6971349.
X329	0.000000	6971349.
X330	0.000000	6971349.
X331	0.000000	6971349.
X332	0.000000	6971349.
X333	0.000000	6971349.
X334	0.000000	6971349.
X335	0.000000	6971349.

X336	0.000000	6971349.
X337	0.000000	6971349.
X338	0.000000	6971349.
X339	0.000000	6971349.
X340	0.000000	6971349.
X341	0.000000	6971349.
X342	0.000000	6971349.
X343	0.000000	6971349.
X344	0.000000	6971349.
X345	0.000000	6971349.
X346	0.000000	6971349.
X347	0.000000	6971349.
X348	0.000000	6971349.
X349	0.000000	6971349.
X350	0.000000	6971349.
X351	0.000000	6971349.
X352	0.000000	6971349.
X353	0.000000	6971349.
X354	0.000000	6971349.
X355	0.000000	6971349.
X356	0.000000	6971349.
X357	0.000000	6971349.
X358	0.000000	6971349.
X359	0.000000	6971349.
X360	0.000000	6971349.
X361	0.000000	6971349.
X362	0.000000	6971349.
X363	0.000000	6971349.
X364	0.000000	6971349.
X365	0.000000	6971349.
X366	0.000000	6971349.
X367	0.000000	6971349.
X368	0.000000	6971349.
X369	0.000000	6971349.
X370	0.000000	6971349.
X371	0.000000	6971349.
X372	0.000000	6971349.
X373	0.000000	6971349.
X374	0.000000	6971349.
X375	0.000000	6971349.
X376	0.000000	6971349.
X377	0.000000	6971349.
X378	0.000000	6971349.
X379	0.000000	6971349.
X380	0.000000	6971349.
X381	0.000000	6971349.
X382	0.000000	6971349.
X383	0.000000	6971349.
X384	0.000000	6971349.
X385	0.000000	6971349.
X386	0.000000	6971349.
X387	0.000000	6971349.
X388	0.000000	6971349.
X389	0.000000	6971349.
X390	0.000000	6971349.
X391	0.000000	6971349.
X392	0.000000	6971349.
X393	0.000000	6971349.
X394	0.000000	6971349.
X395	0.000000	6971349.
X396	0.000000	6971349.
X397	0.000000	6971349.
X398	0.000000	6971349.

X399	0.000000	6971349.
X400	0.000000	6971349.
X401	0.000000	6971349.
X402	0.000000	6971349.
X403	0.000000	6971349.
X404	0.000000	6971349.
X405	0.000000	6971349.
X406	0.000000	6971349.
X407	0.000000	6971349.
X408	0.000000	6971349.
X409	0.000000	6971349.
X410	0.000000	6971349.
X411	0.000000	6971349.
X412	0.000000	6971349.
X413	0.000000	6971349.
X414	0.000000	6971349.
X415	0.000000	6971349.
X416	0.000000	6971349.
X417	0.000000	6971349.
X418	0.000000	6971349.
X419	0.000000	6971349.
X420	0.000000	6971349.
X421	0.000000	6971349.
X422	0.000000	6971349.
X423	0.000000	6971349.
X424	0.000000	6971349.
X425	0.000000	6971349.
X426	0.000000	6971349.
X427	0.000000	6971349.
X428	0.000000	6971349.
X429	0.000000	6971349.
X430	0.000000	6971349.
X431	0.000000	6971349.
X432	0.000000	6971349.
X433	0.000000	6971349.
X434	0.000000	6971349.
X435	0.000000	6971349.
X436	0.000000	6971349.

Row	Slack or Surplus	Dual Price
1	0.9829543E+11	1.000000
2	0.000000	568181.7
3	796.0000	0.000000
4	1183.000	0.000000
5	523.2788	0.000000
6	0.000000	-0.3725290E-08
7	0.000000	-0.3725290E-08
8	12.00000	0.000000
9	2.200000	0.000000
10	4.200000	0.000000
11	1.500000	0.000000
12	11.00000	0.000000
13	2.400000	0.000000
14	1.800000	0.000000
15	12.50000	0.000000
16	10.10000	0.000000
17	3.700000	0.000000
18	4.100000	0.000000
19	10.40000	0.000000
20	4.100000	0.000000
21	18.00000	0.000000
22	10.00000	0.000000
23	0.3000000	0.000000

24	1.000000	0.000000
25	7.400000	0.000000
26	0.6000000	0.000000
27	9.000000	0.000000
28	8.800000	0.000000
29	4.100000	0.000000
30	2.800000	0.000000
31	8.800000	0.000000
32	1.100000	0.000000
33	10.50000	0.000000
34	4.700000	0.000000
35	4.300000	0.000000
36	3.400000	0.000000
37	8.800000	0.000000
38	0.9000000	0.000000
39	6.500000	0.000000
40	5.000000	0.000000
41	1.700000	0.000000
42	4.400000	0.000000
43	7.900000	0.000000
44	2.900000	0.000000
45	2.200000	0.000000
46	4.500000	0.000000
47	1.100000	0.000000
48	3.700000	0.000000
49	4.100000	0.000000
50	2.700000	0.000000
51	4.600000	0.000000
52	4.000000	0.000000
53	9.400000	0.000000
54	1.000000	0.000000
55	3.800000	0.000000
56	6.600000	0.000000
57	3.000000	0.000000
58	13.50000	0.000000
59	7.800000	0.000000
60	3.700000	0.000000
61	9.100000	0.000000
62	6.400000	0.000000
63	4.100000	0.000000
64	5.500000	0.000000
65	6.600000	0.000000
66	4.300000	0.000000
67	12.40000	0.000000
68	6.000000	0.000000
69	5.900000	0.000000
70	3.500000	0.000000
71	6.500000	0.000000
72	1.000000	0.000000
73	9.100000	0.000000
74	7.000000	0.000000
75	2.700000	0.000000
76	8.000000	0.000000
77	4.000000	0.000000
78	1.000000	0.000000
79	5.800000	0.000000
80	4.000000	0.000000
81	2.000000	0.000000
82	9.200000	0.000000
83	5.600000	0.000000
84	6.100000	0.000000
85	5.200000	0.000000
86	3.000000	0.000000

87	9.500000	0.000000
88	5.500000	0.000000
89	5.000000	0.000000
90	6.500000	0.000000
91	5.300000	0.000000
92	10.70000	0.000000
93	14.10000	0.000000
94	6.800000	0.000000
95	5.100000	0.000000
96	3.000000	0.000000
97	4.300000	0.000000
98	9.000000	0.000000
99	4.200000	0.000000
100	4.100000	0.000000
101	12.50000	0.000000
102	9.400000	0.000000
103	3.500000	0.000000
104	7.000000	0.000000
105	13.40000	0.000000
106	8.000000	0.000000
107	5.200000	0.000000
108	6.000000	0.000000
109	2.800000	0.000000
110	7.400000	0.000000
111	5.500000	0.000000
112	12.00000	0.000000
113	5.300000	0.000000
114	5.300000	0.000000
115	2.000000	0.000000
116	10.10000	0.000000

! ALTERNATIF II MUSIM TANAM III

MAX 25147720.45X437 + 25147720.45X438 + 25147720.45X439 +
25147720.45X440 + 25147720.45X441 + 25147720.45X442 +
25147720.45X443 + 25147720.45X444 + 25147720.45X445 +
25147720.45X446 + 25147720.45X447 + 25147720.45X448 +
25147720.45X449 + 25147720.45X450 + 25147720.45X451 +
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25147720.45X458 + 25147720.45X459 + 25147720.45X460 +
25147720.45X461 + 25147720.45X462 + 25147720.45X463 +
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25147720.45X473 + 25147720.45X474 + 25147720.45X475 +
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35.41X437 + 35.41X438 + 35.41X439 + 35.41X440 + 35.41X441 +
35.41X442 + 35.41X443 + 35.41X444 + 35.41X445 + 35.41X446 +
35.41X447 + 35.41X448 + 35.41X449 + 35.41X450 + 35.41X451 +
35.41X452 + 35.41X453 + 35.41X454 + 35.41X455 + 35.41X456 +
35.41X457 + 35.41X458 + 35.41X459 + 35.41X460 + 35.41X461 +
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35.41X477 + 35.41X478 + 35.41X479 + 35.41X480 + 35.41X481 +
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35.41X507 + 35.41X508 + 35.41X509 + 35.41X510 + 35.41X511 +
35.41X512 + 35.41X513 + 35.41X514 + 35.41X515 + 35.41X516 +
35.41X517 + 35.41X518 + 35.41X519 + 35.41X520 + 35.41X521 +
35.41X522 + 35.41X523 + 35.41X524 + 35.41X525 + 35.41X526 +
35.41X527 + 35.41X528 + 35.41X529 + 35.41X530 + 35.41X531 +
35.41X532 + 35.41X533 + 35.41X534 + 35.41X535 + 35.41X536 +
35.41X537 + 35.41X538 + 35.41X539 + 35.41X540 + 35.41X541 +
35.41X542 + 35.41X543 + 35.41X544 + 35.41X545 + 53.13X546 +
53.13X547 + 53.13X548 + 53.13X549 + 53.13X550 + 53.13X551 +
53.13X552 + 53.13X553 + 53.13X554 + 53.13X555 + 53.13X556 +
53.13X557 + 53.13X558 + 53.13X559 + 53.13X560 + 53.13X561 +
53.13X562 + 53.13X563 + 53.13X564 + 53.13X565 + 53.13X566 +
53.13X567 + 53.13X568 + 53.13X569 + 53.13X570 + 53.13X571 +
53.13X572 + 53.13X573 + 53.13X574 + 53.13X575 + 53.13X576 +
53.13X577 + 53.13X578 + 53.13X579 + 53.13X580 + 53.13X581 +
53.13X582 + 53.13X583 + 53.13X584 + 53.13X585 + 53.13X586 +
53.13X587 + 53.13X588 + 53.13X589 + 53.13X590 + 53.13X591 +
53.13X592 + 53.13X593 + 53.13X594 + 53.13X595 + 53.13X596 +
53.13X597 + 53.13X598 + 53.13X599 + 53.13X600 + 53.13X601 +
```

53.13X602 + 53.13X603 + 53.13X604 + 53.13X605 + 53.13X606 +
53.13X607 + 53.13X608 + 53.13X609 + 53.13X610 + 53.13X611 +
53.13X612 + 53.13X613 + 53.13X614 + 53.13X615 + 53.13X616 +
53.13X617 + 53.13X618 + 53.13X619 + 53.13X620 + 53.13X621 +
53.13X622 + 53.13X623 + 53.13X624 + 53.13X625 + 53.13X626 +
53.13X627 + 53.13X628 + 53.13X629 + 53.13X630 + 53.13X631 +
53.13X632 + 53.13X633 + 53.13X634 + 53.13X635 + 53.13X636 +
53.13X637 + 53.13X638 + 53.13X639 + 53.13X640 + 53.13X641 +
53.13X642 + 53.13X643 + 53.13X644 + 53.13X645 + 53.13X646 +
53.13X647 + 53.13X648 + 53.13X649 + 53.13X650 + 53.13X651 +
53.13X652 + 53.13X653 + 53.13X654 <= 27850

X437 + X546 + X438 + X547 + X439 + X548 + X440 + X549 + X441 +
X550 + X442 + X551 + X443 + X552 + X444 + X553 + X445 + X554 +
X446 + X555 + X447 + X556 + X448 + X557 + X449 + X558 + X450 +
X559 + X451 + X560 + X452 + X561 + X453 + X562 + X454 + X563 +
X455 + X564 + X456 + X565 <= 716.4

X457 + X566 + X458 + X567 + X459 + X568 + X460 + X569 + X461 +
X570 + X462 + X571 + X463 + X572 + X464 + X573 + X465 + X574 +
X466 + X575 + X467 + X576 + X468 + X577 + X469 + X578 + X470 +
X579 + X471 + X580 + X472 + X581 + X473 + X582 + X474 + X583 +
X475 + X584 + X476 + X585 <= 1064.7

X477 + X586 + X478 + X587 + X479 + X588 + X480 + X589 + X481 +
X590 + X482 + X591 + X483 + X592 + X484 + X593 + X485 + X594 +
X486 + X595 + X487 + X596 + X488 + X597 + X489 + X598 + X490 +
X599 + X491 + X600 + X492 + X601 + X493 + X602 + X494 + X603 +
X495 + X604 + X496 + X605 <= 1041.3

X497 + X606 + X498 + X607 + X499 + X608 + X500 + X609 + X501 +
X610 + X502 + X611 + X503 + X612 + X504 + X613 + X505 + X614 +
X506 + X615 + X507 + X616 + X508 + X617 + X509 + X618 + X510 +
X619 + X511 + X620 + X512 + X621 + X513 + X622 + X514 + X623 +
X515 + X624 + X516 + X625 <= 1097.1

X517 + X626 + X518 + X627 + X519 + X628 + X520 + X629 + X521 +
X630 + X522 + X631 + X523 + X632 + X524 + X633 + X525 + X634 +
X526 + X635 + X527 + X636 + X528 + X637 + X529 + X638 + X530 +
X639 + X531 + X640 + X532 + X641 + X533 + X642 + X534 + X643 +
X535 + X644 + X536 + X645 + X537 + X646 + X538 + X647 + X539 +
X648 + X540 + X649 + X541 + X650 + X542 + X651 + X543 + X652 +
X544 + X653 + X545 + X654 <= 1850.4

X546 <= 0
X547 <= 0
X548 <= 0
X549 <= 0
X550 <= 0
X551 <= 0

X585 <= 0
X586 <= 0
X587 <= 0
X588 <= 0
X589 <= 0
X590 <= 0

X624 <= 0
X625 <= 0
X626 <= 0
X627 <= 0
X628 <= 0
X629 <= 0

X552 <= 0
X553 <= 0
X554 <= 0
X555 <= 0
X556 <= 0
X557 <= 0
X558 <= 0
X559 <= 0
X560 <= 0
X561 <= 0
X562 <= 0
X563 <= 0
X564 <= 0
X565 <= 0
X566 <= 0
X567 <= 0
X568 <= 0
X569 <= 0
X570 <= 0
X571 <= 0
X572 <= 0
X573 <= 0
X574 <= 0
X575 <= 0
X576 <= 0
X577 <= 0
X578 <= 0
X579 <= 0
X580 <= 0
X581 <= 0
X582 <= 0
X583 <= 0
X584 <= 0

X591 <= 0
X592 <= 0
X593 <= 0
X594 <= 0
X595 <= 0
X596 <= 0
X597 <= 0
X598 <= 0
X599 <= 0
X600 <= 0
X601 <= 0
X602 <= 0
X603 <= 0
X604 <= 0
X605 <= 0
X606 <= 0
X607 <= 0
X608 <= 0
X609 <= 0
X610 <= 0
X611 <= 0
X612 <= 0
X613 <= 0
X614 <= 0
X615 <= 0
X616 <= 0
X617 <= 0
X618 <= 0
X619 <= 0
X620 <= 0
X621 <= 0
X622 <= 0
X623 <= 0

X630 <= 0
X631 <= 0
X632 <= 0
X633 <= 0
X634 <= 0
X635 <= 0
X636 <= 0
X637 <= 0
X638 <= 0
X639 <= 0
X640 <= 0
X641 <= 0
X642 <= 0
X643 <= 0
X644 <= 0
X645 <= 0
X646 <= 0
X647 <= 0
X648 <= 0
X649 <= 0
X650 <= 0
X651 <= 0
X652 <= 0
X653 <= 0
X654 <= 0

OUTPUT ALTERNATIF II MUSIM TANAM III

Global optimal solution found.
Objective value: 0.1977871E+11
Infeasibilities: 0.000000
Total solver iterations: 0

Variable	Value	Reduced Cost
X437	0.000000	0.000000
X438	0.000000	0.000000
X439	0.000000	0.000000
X440	0.000000	0.000000
X441	0.000000	0.000000
X442	0.000000	0.000000
X443	0.000000	0.000000
X444	0.000000	0.000000
X445	0.000000	0.000000
X446	0.000000	0.000000
X447	0.000000	0.000000
X448	0.000000	0.000000
X449	0.000000	0.000000
X450	0.000000	0.000000
X451	0.000000	0.000000
X452	0.000000	0.000000
X453	0.000000	0.000000
X454	0.000000	0.000000
X455	0.000000	0.000000
X456	0.000000	0.000000
X457	0.000000	0.000000
X458	0.000000	0.000000
X459	0.000000	0.000000
X460	0.000000	0.000000
X461	0.000000	0.000000
X462	0.000000	0.000000
X463	0.000000	0.000000
X464	0.000000	0.000000
X465	0.000000	0.000000
X466	0.000000	0.000000
X467	0.000000	0.000000
X468	0.000000	0.000000
X469	0.000000	0.000000
X470	0.000000	0.000000
X471	0.000000	0.000000
X472	0.000000	0.000000
X473	0.000000	0.000000
X474	0.000000	0.000000
X475	0.000000	0.000000
X476	0.000000	0.000000
X477	0.000000	0.000000
X478	0.000000	0.000000
X479	0.000000	0.000000
X480	0.000000	0.000000
X481	0.000000	0.000000
X482	0.000000	0.000000
X483	0.000000	0.000000
X484	0.000000	0.000000
X485	0.000000	0.000000
X486	0.000000	0.000000
X487	0.000000	0.000000
X488	0.000000	0.000000
X489	0.000000	0.000000
X490	0.000000	0.000000

X491	0.000000	0.000000
X492	0.000000	0.000000
X493	0.000000	0.000000
X494	0.000000	0.000000
X495	0.000000	0.000000
X496	0.000000	0.000000
X497	0.000000	0.000000
X498	0.000000	0.000000
X499	0.000000	0.000000
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X501	0.000000	0.000000
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X503	0.000000	0.000000
X504	0.000000	0.000000
X505	0.000000	0.000000
X506	0.000000	0.000000
X507	0.000000	0.000000
X508	0.000000	0.000000
X509	0.000000	0.000000
X510	0.000000	0.000000
X511	0.000000	0.000000
X512	0.000000	0.000000
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X515	0.000000	0.000000
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X529	0.000000	0.000000
X530	0.000000	0.000000
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X532	0.000000	0.000000
X533	0.000000	0.000000
X534	0.000000	0.000000
X535	0.000000	0.000000
X536	0.000000	0.000000
X537	0.000000	0.000000
X538	0.000000	0.000000
X539	0.000000	0.000000
X540	0.000000	0.000000
X541	0.000000	0.000000
X542	0.000000	0.000000
X543	0.000000	0.000000
X544	0.000000	0.000000
X545	786.5010	0.000000
X546	0.000000	0.1955018E+08
X547	0.000000	0.1955018E+08
X548	0.000000	0.1955018E+08
X549	0.000000	0.1955018E+08
X550	0.000000	0.1955018E+08
X551	0.000000	0.1955018E+08
X552	0.000000	0.1955018E+08
X553	0.000000	0.1955018E+08

X554	0.000000	0.1955018E+08
X555	0.000000	0.1955018E+08
X556	0.000000	0.1955018E+08
X557	0.000000	0.1955018E+08
X558	0.000000	0.1955018E+08
X559	0.000000	0.1955018E+08
X560	0.000000	0.1955018E+08
X561	0.000000	0.1955018E+08
X562	0.000000	0.1955018E+08
X563	0.000000	0.1955018E+08
X564	0.000000	0.1955018E+08
X565	0.000000	0.1955018E+08
X566	0.000000	0.1955018E+08
X567	0.000000	0.1955018E+08
X568	0.000000	0.1955018E+08
X569	0.000000	0.1955018E+08
X570	0.000000	0.1955018E+08
X571	0.000000	0.1955018E+08
X572	0.000000	0.1955018E+08
X573	0.000000	0.1955018E+08
X574	0.000000	0.1955018E+08
X575	0.000000	0.1955018E+08
X576	0.000000	0.1955018E+08
X577	0.000000	0.1955018E+08
X578	0.000000	0.1955018E+08
X579	0.000000	0.1955018E+08
X580	0.000000	0.1955018E+08
X581	0.000000	0.1955018E+08
X582	0.000000	0.1955018E+08
X583	0.000000	0.1955018E+08
X584	0.000000	0.1955018E+08
X585	0.000000	0.1955018E+08
X586	0.000000	0.1955018E+08
X587	0.000000	0.1955018E+08
X588	0.000000	0.1955018E+08
X589	0.000000	0.1955018E+08
X590	0.000000	0.1955018E+08
X591	0.000000	0.1955018E+08
X592	0.000000	0.1955018E+08
X593	0.000000	0.1955018E+08
X594	0.000000	0.1955018E+08
X595	0.000000	0.1955018E+08
X596	0.000000	0.1955018E+08
X597	0.000000	0.1955018E+08
X598	0.000000	0.1955018E+08
X599	0.000000	0.1955018E+08
X600	0.000000	0.1955018E+08
X601	0.000000	0.1955018E+08
X602	0.000000	0.1955018E+08
X603	0.000000	0.1955018E+08
X604	0.000000	0.1955018E+08
X605	0.000000	0.1955018E+08
X606	0.000000	0.1955018E+08
X607	0.000000	0.1955018E+08
X608	0.000000	0.1955018E+08
X609	0.000000	0.1955018E+08
X610	0.000000	0.1955018E+08
X611	0.000000	0.1955018E+08
X612	0.000000	0.1955018E+08
X613	0.000000	0.1955018E+08
X614	0.000000	0.1955018E+08
X615	0.000000	0.1955018E+08
X616	0.000000	0.1955018E+08

X617	0.000000	0.1955018E+08
X618	0.000000	0.1955018E+08
X619	0.000000	0.1955018E+08
X620	0.000000	0.1955018E+08
X621	0.000000	0.1955018E+08
X622	0.000000	0.1955018E+08
X623	0.000000	0.1955018E+08
X624	0.000000	0.1955018E+08
X625	0.000000	0.1955018E+08
X626	0.000000	0.1955018E+08
X627	0.000000	0.1955018E+08
X628	0.000000	0.1955018E+08
X629	0.000000	0.1955018E+08
X630	0.000000	0.1955018E+08
X631	0.000000	0.1955018E+08
X632	0.000000	0.1955018E+08
X633	0.000000	0.1955018E+08
X634	0.000000	0.1955018E+08
X635	0.000000	0.1955018E+08
X636	0.000000	0.1955018E+08
X637	0.000000	0.1955018E+08
X638	0.000000	0.1955018E+08
X639	0.000000	0.1955018E+08
X640	0.000000	0.1955018E+08
X641	0.000000	0.1955018E+08
X642	0.000000	0.1955018E+08
X643	0.000000	0.1955018E+08
X644	0.000000	0.1955018E+08
X645	0.000000	0.1955018E+08
X646	0.000000	0.1955018E+08
X647	0.000000	0.1955018E+08
X648	0.000000	0.1955018E+08
X649	0.000000	0.1955018E+08
X650	0.000000	0.1955018E+08
X651	0.000000	0.1955018E+08
X652	0.000000	0.1955018E+08
X653	0.000000	0.1955018E+08
X654	0.000000	0.1955018E+08

Row	Slack or Surplus	Dual Price
1	0.1977871E+11	1.000000
2	0.000000	710187.0
3	716.4000	0.000000
4	1064.700	0.000000
5	1041.300	0.000000
6	1097.100	0.000000
7	1063.899	0.000000
8	0.000000	0.000000
9	0.000000	0.000000
10	0.000000	0.000000
11	0.000000	0.000000
12	0.000000	0.000000
13	0.000000	0.000000
14	0.000000	0.000000
15	0.000000	0.000000
16	0.000000	0.000000
17	0.000000	0.000000
18	0.000000	0.000000
19	0.000000	0.000000
20	0.000000	0.000000
21	0.000000	0.000000
22	0.000000	0.000000
23	0.000000	0.000000

24	0.000000	0.000000
25	0.000000	0.000000
26	0.000000	0.000000
27	0.000000	0.000000
28	0.000000	0.000000
29	0.000000	0.000000
30	0.000000	0.000000
31	0.000000	0.000000
32	0.000000	0.000000
33	0.000000	0.000000
34	0.000000	0.000000
35	0.000000	0.000000
36	0.000000	0.000000
37	0.000000	0.000000
38	0.000000	0.000000
39	0.000000	0.000000
40	0.000000	0.000000
41	0.000000	0.000000
42	0.000000	0.000000
43	0.000000	0.000000
44	0.000000	0.000000
45	0.000000	0.000000
46	0.000000	0.000000
47	0.000000	0.000000
48	0.000000	0.000000
49	0.000000	0.000000
50	0.000000	0.000000
51	0.000000	0.000000
52	0.000000	0.000000
53	0.000000	0.000000
54	0.000000	0.000000
55	0.000000	0.000000
56	0.000000	0.000000
57	0.000000	0.000000
58	0.000000	0.000000
59	0.000000	0.000000
60	0.000000	0.000000
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66	0.000000	0.000000
67	0.000000	0.000000
68	0.000000	0.000000
69	0.000000	0.000000
70	0.000000	0.000000
71	0.000000	0.000000
72	0.000000	0.000000
73	0.000000	0.000000
74	0.000000	0.000000
75	0.000000	0.000000
76	0.000000	0.000000
77	0.000000	0.000000
78	0.000000	0.000000
79	0.000000	0.000000
80	0.000000	0.000000
81	0.000000	0.000000
82	0.000000	0.000000
83	0.000000	0.000000
84	0.000000	0.000000
85	0.000000	0.000000
86	0.000000	0.000000

87	0.000000	0.000000
88	0.000000	0.000000
89	0.000000	0.000000
90	0.000000	0.000000
91	0.000000	0.000000
92	0.000000	0.000000
93	0.000000	0.000000
94	0.000000	0.000000
95	0.000000	0.000000
96	0.000000	0.000000
97	0.000000	0.000000
98	0.000000	0.000000
99	0.000000	0.000000
100	0.000000	0.000000
101	0.000000	0.000000
102	0.000000	0.000000
103	0.000000	0.000000
104	0.000000	0.000000
105	0.000000	0.000000
106	0.000000	0.000000
107	0.000000	0.000000
108	0.000000	0.000000
109	0.000000	0.000000
110	0.000000	0.000000
111	0.000000	0.000000
112	0.000000	0.000000
113	0.000000	0.000000
114	0.000000	0.000000
115	0.000000	0.000000
116	0.000000	0.000000

! ALTERNATIF III MUSIM TANAM I

MAX 25147720.45X1 + 25147720.45X2 + 25147720.45X3 + 25147720.45X4
+ 25147720.45X5 + 25147720.45X6 + 25147720.45X7 + 25147720.45X8 +
25147720.45X9 + 25147720.45X10 + 25147720.45X11 + 25147720.45X12 +
25147720.45X13 + 25147720.45X14 + 25147720.45X15 + 25147720.45X16
+ 25147720.45X17 + 25147720.45X18 + 25147720.45X19 +
25147720.45X20 + 25147720.45X21 + 25147720.45X22 + 25147720.45X23
+ 25147720.45X24 + 25147720.45X25 + 25147720.45X26 +
25147720.45X27 + 25147720.45X28 + 25147720.45X29 + 25147720.45X30
+ 25147720.45X31 + 25147720.45X32 + 25147720.45X33 +
25147720.45X34 + 25147720.45X35 + 25147720.45X36 + 25147720.45X37
+ 25147720.45X38 + 25147720.45X39 + 25147720.45X40 +
25147720.45X41 + 25147720.45X42 + 25147720.45X43 + 25147720.45X44
+ 25147720.45X45 + 25147720.45X46 + 25147720.45X47 +
25147720.45X48 + 25147720.45X49 + 25147720.45X50 + 25147720.45X51
+ 25147720.45X52 + 25147720.45X53 + 25147720.45X54 +
25147720.45X55 + 25147720.45X56 + 25147720.45X57 + 25147720.45X58
+ 25147720.45X59 + 25147720.45X60 + 25147720.45X61 +
25147720.45X62 + 25147720.45X63 + 25147720.45X64 + 25147720.45X65
+ 25147720.45X66 + 25147720.45X67 + 25147720.45X68 +
25147720.45X69 + 25147720.45X70 + 25147720.45X71 + 25147720.45X72
+ 25147720.45X73 + 25147720.45X74 + 25147720.45X75 +
25147720.45X76 + 25147720.45X77 + 25147720.45X78 + 25147720.45X79
+ 25147720.45X80 + 25147720.45X81 + 25147720.45X82 +
25147720.45X83 + 25147720.45X84 + 25147720.45X85 + 25147720.45X86
+ 25147720.45X87 + 25147720.45X88 + 25147720.45X89 +
25147720.45X90 + 25147720.45X91 + 25147720.45X92 + 25147720.45X93
+ 25147720.45X94 + 25147720.45X95 + 25147720.45X96 +
25147720.45X97 + 25147720.45X98 + 25147720.45X99 + 25147720.45X100
+ 25147720.45X101 + 25147720.45X102 + 25147720.45X103 +
25147720.45X104 + 25147720.45X105 + 25147720.45X106 +
25147720.45X107 + 25147720.45X108 + 25147720.45X109 +
18182053.28X110 + 18182053.28X111 + 18182053.28X112 +
18182053.28X113 + 18182053.28X114 + 18182053.28X115 +
18182053.28X116 + 18182053.28X117 + 18182053.28X118 +
18182053.28X119 + 18182053.28X120 + 18182053.28X121 +
18182053.28X122 + 18182053.28X123 + 18182053.28X124 +
18182053.28X125 + 18182053.28X126 + 18182053.28X127 +
18182053.28X128 + 18182053.28X129 + 18182053.28X130 +
18182053.28X131 + 18182053.28X132 + 18182053.28X133 +
18182053.28X134 + 18182053.28X135 + 18182053.28X136 +
18182053.28X137 + 18182053.28X138 + 18182053.28X139 +
18182053.28X140 + 18182053.28X141 + 18182053.28X142 +
18182053.28X143 + 18182053.28X144 + 18182053.28X145 +
18182053.28X146 + 18182053.28X147 + 18182053.28X148 +
18182053.28X149 + 18182053.28X150 + 18182053.28X151 +
18182053.28X152 + 18182053.28X153 + 18182053.28X154 +
18182053.28X155 + 18182053.28X156 + 18182053.28X157 +
18182053.28X158 + 18182053.28X159 + 18182053.28X160 +
18182053.28X161 + 18182053.28X162 + 18182053.28X163 +
18182053.28X164 + 18182053.28X165 + 18182053.28X166 +
18182053.28X167 + 18182053.28X168 + 18182053.28X169 +
18182053.28X170 + 18182053.28X171 + 18182053.28X172 +
18182053.28X173 + 18182053.28X174 + 18182053.28X175 +
18182053.28X176 + 18182053.28X177 + 18182053.28X178 +

18182053.28X179 + 18182053.28X180 + 18182053.28X181 +
18182053.28X182 + 18182053.28X183 + 18182053.28X184 +
18182053.28X185 + 18182053.28X186 + 18182053.28X187 +
18182053.28X188 + 18182053.28X189 + 18182053.28X190 +
18182053.28X191 + 18182053.28X192 + 18182053.28X193 +
18182053.28X194 + 18182053.28X195 + 18182053.28X196 +
18182053.28X197 + 18182053.28X198 + 18182053.28X199 +
18182053.28X200 + 18182053.28X201 + 18182053.28X202 +
18182053.28X203 + 18182053.28X204 + 18182053.28X205 +
18182053.28X206 + 18182053.28X207 + 18182053.28X208 +
18182053.28X209 + 18182053.28X210 + 18182053.28X211 +
18182053.28X212 + 18182053.28X213 + 18182053.28X214 +
18182053.28X215 + 18182053.28X216 + 18182053.28X217 +
18182053.28X218
st
66.40X1 + 66.40X2 + 66.40X3 + 66.40X4 + 66.40X5 + 66.40X6 +
66.40X7 + 66.40X8 + 66.40X9 + 66.40X10 + 66.40X11 + 66.40X12 +
66.40X13 + 66.40X14 + 66.40X15 + 66.40X16 + 66.40X17 + 66.40X18 +
66.40X19 + 66.40X20 + 66.40X21 + 66.40X22 + 66.40X23 + 66.40X24 +
66.40X25 + 66.40X26 + 66.40X27 + 66.40X28 + 66.40X29 + 66.40X30 +
66.40X31 + 66.40X32 + 66.40X33 + 66.40X34 + 66.40X35 + 66.40X36 +
66.40X37 + 66.40X38 + 66.40X39 + 66.40X40 + 66.40X41 + 66.40X42 +
66.40X43 + 66.40X44 + 66.40X45 + 66.40X46 + 66.40X47 + 66.40X48 +
66.40X49 + 66.40X50 + 66.40X51 + 66.40X52 + 66.40X53 + 66.40X54 +
66.40X55 + 66.40X56 + 66.40X57 + 66.40X58 + 66.40X59 + 66.40X60 +
66.40X61 + 66.40X62 + 66.40X63 + 66.40X64 + 66.40X65 + 66.40X66 +
66.40X67 + 66.40X68 + 66.40X69 + 66.40X70 + 66.40X71 + 66.40X72 +
66.40X73 + 66.40X74 + 66.40X75 + 66.40X76 + 66.40X77 + 66.40X78 +
66.40X79 + 66.40X80 + 66.40X81 + 66.40X82 + 66.40X83 + 66.40X84 +
66.40X85 + 66.40X86 + 66.40X87 + 66.40X88 + 66.40X89 + 66.40X90 +
66.40X91 + 66.40X92 + 66.40X93 + 66.40X94 + 66.40X95 + 66.40X96 +
66.40X97 + 66.40X98 + 66.40X99 + 66.40X100 + 66.40X101 + 66.40X102
+ 66.40X103 + 66.40X104 + 66.40X105 + 66.40X106 + 66.40X107 +
66.40X108 + 66.40X109 + 22.14X110 + 22.14X111 + 22.14X112 +
22.14X113 + 22.14X114 + 22.14X115 + 22.14X116 + 22.14X117 +
22.14X118 + 22.14X119 + 22.14X120 + 22.14X121 + 22.14X122 +
22.14X123 + 22.14X124 + 22.14X125 + 22.14X126 + 22.14X127 +
22.14X128 + 22.14X129 + 22.14X130 + 22.14X131 + 22.14X132 +
22.14X133 + 22.14X134 + 22.14X135 + 22.14X136 + 22.14X137 +
22.14X138 + 22.14X139 + 22.14X140 + 22.14X141 + 22.14X142 +
22.14X143 + 22.14X144 + 22.14X145 + 22.14X146 + 22.14X147 +
22.14X148 + 22.14X149 + 22.14X150 + 22.14X151 + 22.14X152 +
22.14X153 + 22.14X154 + 22.14X155 + 22.14X156 + 22.14X157 +
22.14X158 + 22.14X159 + 22.14X160 + 22.14X161 + 22.14X162 +
22.14X163 + 22.14X164 + 22.14X165 + 22.14X166 + 22.14X167 +
22.14X168 + 22.14X169 + 22.14X170 + 22.14X171 + 22.14X172 +
22.14X173 + 22.14X174 + 22.14X175 + 22.14X176 + 22.14X177 +
22.14X178 + 22.14X179 + 22.14X180 + 22.14X181 + 22.14X182 +
22.14X183 + 22.14X184 + 22.14X185 + 22.14X186 + 22.14X187 +
22.14X188 + 22.14X189 + 22.14X190 + 22.14X191 + 22.14X192 +
22.14X193 + 22.14X194 + 22.14X195 + 22.14X196 + 22.14X197 +
22.14X198 + 22.14X199 + 22.14X200 + 22.14X201 + 22.14X202 +
22.14X203 + 22.14X204 + 22.14X205 + 22.14X206 + 22.14X207 +
22.14X208 + 22.14X209 + 22.14X210 + 22.14X211 + 22.14X212 +
22.14X213 + 22.14X214 + 22.14X215 + 22.14X216 + 22.14X217 +
22.14X218 <= 202700

X1 + X110 + X2 + X111 + X3 + X112 + X4 + X113 + X5 + X114 + X6 + X115 + X7 + X116 + X8 + X117 + X9 + X118 + X10 +X119 + X11 + X120 + X12 + X121 + X13 + X122 + X14 + X123 + X15 + X124 + X16 + X125 + X17 + X126 + X18 + X127 + X19 + X128 + X20 + X129 <= 796

X21 + X130 + X22 + X131 + X23 + X132 + X24 + X133 + X25 + X134 + X26 + X135 + X27 + X136 + X28 + X137 + X29 + X138 + X30 + X139 + X31 + X140 + X32 + X141 + X33 + X142 + X34 + X143 + X35 + X144 + X36 + X145 + X37 + X146 + X38 + X147 + X39 + X148 + X40 + X149 <= 1183

X41 + X150 + X42 + X151 + X43 + X152 + X44 + X153 + X45 + X154 + X46 + X155 + X47 + X156 + X48 + X157 + X49 + X158 + X50 + X159 + X51 + X160 + X52 + X161 + X53 + X162 + X54 + X163 + X55 + X164 + X56 + X165 + X57 + X166 + X58 + X167 + X59 + X168 + X60 + X169 <= 1157

X61 + X170 + X62 + X171 + X63 + X172 + X64 + X173 + X65 + X174 + X66 + X175 + X67 + X176 + X68 + X177 + X69 + X178 + X70 + X179 + X71 + X180 + X72 + X181 + X73 + X182 + X74 + X183 + X75 + X184 + X76 + X185 + X77 + X186 + X78 + X187 + X79 + X188 + X80 + X189 <= 1219

X81 + X190 + X82 + X191 + X83 + X192 + X84 + X193 + X85 + X194 + X86 + X195 + X87 + X196 + X88 + X197 + X89 + X198 + X90 + X199 + X91 + X200 + X92 + X201 + X93 + X202 + X94 + X203 + X95 + X204 + X96 + X205 + X97 + X206 + X98 + X207 + X99 + X208 + X100 + X209 + X101 + X210 + X102 + X211 + X103 + X212 + X104 + X213 + X105 + X214 + X106 + X215 + X107 + X216 + X108 + X217 + X109 + X218 <= 2056

X110 <= 12
X111 <= 1.5
X112 <= 1.8
X113 <= 3.7
X114 <= 4.1
X115 <= 0.3
X116 <= 0.6
X117 <= 4.1
X118 <= 1.1
X119 <= 4.3
X120 <= 0.9
X121 <= 1.7
X122 <= 2.9
X123 <= 1.1
X124 <= 2.7
X125 <= 9.4
X126 <= 6.6
X127 <= 7.8
X128 <= 6.4
X129 <= 6.6

X149 <= 2.2
X150 <= 11
X151 <= 12.5
X152 <= 4.1
X153 <= 18
X154 <= 1
X155 <= 9
X156 <= 2.8
X157 <= 10.5
X158 <= 3.4
X159 <= 6.5
X160 <= 4.4
X161 <= 2.2
X162 <= 3.7
X163 <= 4.6
X164 <= 1
X165 <= 3
X166 <= 3.7
X167 <= 4.1
X168 <= 4.3

X188 <= 4.2
X189 <= 2.4
X190 <= 10.1
X191 <= 10.4
X192 <= 10
X193 <= 7.4
X194 <= 8.8
X195 <= 8.8
X196 <= 4.7
X197 <= 8.8
X198 <= 5
X199 <= 7.9
X200 <= 4.5
X201 <= 4.1
X202 <= 4
X203 <= 3.8
X204 <= 13.5
X205 <= 9.1
X206 <= 5.5
X207 <= 12.4

X130 <= 6
X131 <= 6.5
X132 <= 7
X133 <= 4
X134 <= 4
X135 <= 5.6
X136 <= 3
X137 <= 5
X138 <= 10.7
X139 <= 5.1
X140 <= 9
X141 <= 12.5
X142 <= 3.5
X143 <= 13.4
X144 <= 5.2
X145 <= 2.8
X146 <= 5.5
X147 <= 5.3
X148 <= 2

X169 <= 5.9
X170 <= 1
X171 <= 2.7
X172 <= 1
X173 <= 2
X174 <= 6.1
X175 <= 9.5
X176 <= 6.5
X177 <= 14.1
X178 <= 3
X179 <= 4.2
X180 <= 9.4
X181 <= 7
X182 <= 8
X183 <= 6
X184 <= 7.4
X185 <= 12
X186 <= 5.3
X187 <= 10.1

X208 <= 3.5
X209 <= 9.1
X210 <= 8
X211 <= 5.8
X212 <= 9.2
X213 <= 5.2
X214 <= 5.5
X215 <= 5.3
X216 <= 6.8
X217 <= 4.3
X218 <= 4.1

OUTPUT ALTERNATIF III MSUSIM TANAM I

Global optimal solution found.
Objective value: 0.8304955E+11
Infeasibilities: 0.000000
Total solver iterations: 8

Variable	Value	Reduced Cost
X1	0.000000	0.000000
X2	0.000000	0.000000
X3	0.000000	0.000000
X4	0.000000	0.000000
X5	0.000000	0.000000
X6	0.000000	0.000000
X7	0.000000	0.000000
X8	0.000000	0.000000
X9	0.000000	0.000000
X10	0.000000	0.000000
X11	0.000000	0.000000
X12	0.000000	0.000000
X13	0.000000	0.000000
X14	0.000000	0.000000
X15	0.000000	0.000000
X16	0.000000	0.000000
X17	0.000000	0.000000
X18	0.000000	0.000000
X19	0.000000	0.000000
X20	0.000000	0.000000
X21	0.000000	0.000000
X22	0.000000	0.000000
X23	0.000000	0.000000
X24	0.000000	0.000000
X25	0.000000	0.000000
X26	0.000000	0.000000
X27	0.000000	0.000000
X28	0.000000	0.000000
X29	0.000000	0.000000
X30	0.000000	0.000000
X31	0.000000	0.000000
X32	0.000000	0.000000
X33	0.000000	0.000000
X34	0.000000	0.000000
X35	0.000000	0.000000
X36	0.000000	0.000000
X37	0.000000	0.000000
X38	0.000000	0.000000
X39	0.000000	0.000000
X40	0.000000	0.000000
X41	0.000000	0.000000
X42	0.000000	0.000000
X43	0.000000	0.000000
X44	0.000000	0.000000
X45	0.000000	0.000000
X46	0.000000	0.000000
X47	0.000000	0.000000
X48	0.000000	0.000000
X49	0.000000	0.000000
X50	0.000000	0.000000
X51	0.000000	0.000000
X52	0.000000	0.000000
X53	0.000000	0.000000
X54	0.000000	0.000000

X55	0.000000	0.000000
X56	0.000000	0.000000
X57	0.000000	0.000000
X58	0.000000	0.000000
X59	0.000000	0.000000
X60	988.5465	0.000000
X61	0.000000	0.000000
X62	0.000000	0.000000
X63	0.000000	0.000000
X64	0.000000	0.000000
X65	0.000000	0.000000
X66	0.000000	0.000000
X67	0.000000	0.000000
X68	0.000000	0.000000
X69	0.000000	0.000000
X70	0.000000	0.000000
X71	0.000000	0.000000
X72	0.000000	0.000000
X73	0.000000	0.000000
X74	0.000000	0.000000
X75	0.000000	0.000000
X76	0.000000	0.000000
X77	0.000000	0.000000
X78	0.000000	0.000000
X79	0.000000	0.000000
X80	0.000000	0.000000
X81	0.000000	0.000000
X82	0.000000	0.000000
X83	0.000000	0.000000
X84	0.000000	0.000000
X85	0.000000	0.000000
X86	0.000000	0.000000
X87	0.000000	0.000000
X88	0.000000	0.000000
X89	0.000000	0.000000
X90	0.000000	0.000000
X91	0.000000	0.000000
X92	0.000000	0.000000
X93	0.000000	0.000000
X94	0.000000	0.000000
X95	0.000000	0.000000
X96	0.000000	0.000000
X97	0.000000	0.000000
X98	0.000000	0.000000
X99	0.000000	0.000000
X100	0.000000	0.000000
X101	0.000000	0.000000
X102	0.000000	0.000000
X103	0.000000	0.000000
X104	0.000000	0.000000
X105	0.000000	0.000000
X106	0.000000	0.000000
X107	0.000000	0.000000
X108	0.000000	0.000000
X109	1850.400	0.000000
X110	12.00000	0.000000
X111	1.500000	0.000000
X112	1.800000	0.000000
X113	3.700000	0.000000
X114	4.100000	0.000000
X115	0.3000000	0.000000
X116	0.6000000	0.000000

X117	4.100000	0.000000
X118	1.100000	0.000000
X119	4.300000	0.000000
X120	0.9000000	0.000000
X121	1.700000	0.000000
X122	2.900000	0.000000
X123	1.100000	0.000000
X124	2.700000	0.000000
X125	9.400000	0.000000
X126	6.600000	0.000000
X127	7.800000	0.000000
X128	6.400000	0.000000
X129	6.600000	0.000000
X130	6.000000	0.000000
X131	6.500000	0.000000
X132	7.000000	0.000000
X133	4.000000	0.000000
X134	4.000000	0.000000
X135	5.600000	0.000000
X136	3.000000	0.000000
X137	5.000000	0.000000
X138	10.70000	0.000000
X139	5.100000	0.000000
X140	9.000000	0.000000
X141	12.50000	0.000000
X142	3.500000	0.000000
X143	13.40000	0.000000
X144	5.200000	0.000000
X145	2.800000	0.000000
X146	5.500000	0.000000
X147	5.300000	0.000000
X148	2.000000	0.000000
X149	2.200000	0.000000
X150	11.00000	0.000000
X151	12.50000	0.000000
X152	4.100000	0.000000
X153	18.00000	0.000000
X154	1.000000	0.000000
X155	9.000000	0.000000
X156	2.800000	0.000000
X157	10.50000	0.000000
X158	3.400000	0.000000
X159	6.500000	0.000000
X160	4.400000	0.000000
X161	2.200000	0.000000
X162	3.700000	0.000000
X163	4.600000	0.000000
X164	1.000000	0.000000
X165	3.000000	0.000000
X166	3.700000	0.000000
X167	4.100000	0.000000
X168	4.300000	0.000000
X169	5.900000	0.000000
X170	1.000000	0.000000
X171	2.700000	0.000000
X172	1.000000	0.000000
X173	2.000000	0.000000
X174	6.100000	0.000000
X175	9.500000	0.000000
X176	6.500000	0.000000
X177	14.10000	0.000000
X178	3.000000	0.000000
X179	4.200000	0.000000

X180	9.400000	0.000000
X181	7.000000	0.000000
X182	8.000000	0.000000
X183	6.000000	0.000000
X184	7.400000	0.000000
X185	12.00000	0.000000
X186	5.300000	0.000000
X187	10.10000	0.000000
X188	4.200000	0.000000
X189	2.400000	0.000000
X190	10.10000	0.000000
X191	10.40000	0.000000
X192	10.00000	0.000000
X193	7.400000	0.000000
X194	8.800000	0.000000
X195	8.800000	0.000000
X196	4.700000	0.000000
X197	8.800000	0.000000
X198	5.000000	0.000000
X199	7.900000	0.000000
X200	4.500000	0.000000
X201	4.100000	0.000000
X202	4.000000	0.000000
X203	3.800000	0.000000
X204	13.50000	0.000000
X205	9.100000	0.000000
X206	5.500000	0.000000
X207	12.40000	0.000000
X208	3.500000	0.000000
X209	9.100000	0.000000
X210	8.000000	0.000000
X211	5.800000	0.000000
X212	9.200000	0.000000
X213	5.200000	0.000000
X214	5.500000	0.000000
X215	5.300000	0.000000
X216	6.800000	0.000000
X217	4.300000	0.000000
X218	4.100000	0.000000

Row	Slack or Surplus	Dual Price
1	0.8304955E+11	1.000000
2	0.000000	378730.7
3	716.4000	0.000000
4	1064.700	0.000000
5	52.75352	0.000000
6	1097.100	0.000000
7	0.000000	0.000000
8	0.000000	9796955.
9	0.000000	9796955.
10	0.000000	9796955.
11	0.000000	9796955.
12	0.000000	9796955.
13	0.000000	9796955.
14	0.000000	9796955.
15	0.000000	9796955.
16	0.000000	9796955.
17	0.000000	9796955.
18	0.000000	9796955.
19	0.000000	9796955.
20	0.000000	9796955.
21	0.000000	9796955.
22	0.000000	9796955.

23	0.000000	9796955.
24	0.000000	9796955.
25	0.000000	9796955.
26	0.000000	9796955.
27	0.000000	9796955.
28	0.000000	9796955.
29	0.000000	9796955.
30	0.000000	9796955.
31	0.000000	9796955.
32	0.000000	9796955.
33	0.000000	9796955.
34	0.000000	9796955.
35	0.000000	9796955.
36	0.000000	9796955.
37	0.000000	9796955.
38	0.000000	9796955.
39	0.000000	9796955.
40	0.000000	9796955.
41	0.000000	9796955.
42	0.000000	9796955.
43	0.000000	9796955.
44	0.000000	9796955.
45	0.000000	9796955.
46	0.000000	9796955.
47	0.000000	9796955.
48	0.000000	9796955.
49	0.000000	9796955.
50	0.000000	9796955.
51	0.000000	9796955.
52	0.000000	9796955.
53	0.000000	9796955.
54	0.000000	9796955.
55	0.000000	9796955.
56	0.000000	9796955.
57	0.000000	9796955.
58	0.000000	9796955.
59	0.000000	9796955.
60	0.000000	9796955.
61	0.000000	9796955.
62	0.000000	9796955.
63	0.000000	9796955.
64	0.000000	9796955.
65	0.000000	9796955.
66	0.000000	9796955.
67	0.000000	9796955.
68	0.000000	9796955.
69	0.000000	9796955.
70	0.000000	9796955.
71	0.000000	9796955.
72	0.000000	9796955.
73	0.000000	9796955.
74	0.000000	9796955.
75	0.000000	9796955.
76	0.000000	9796955.
77	0.000000	9796955.
78	0.000000	9796955.
79	0.000000	9796955.
80	0.000000	9796955.
81	0.000000	9796955.
82	0.000000	9796955.
83	0.000000	9796955.
84	0.000000	9796955.
85	0.000000	9796955.

86	0.000000	9796955.
87	0.000000	9796955.
88	0.000000	9796955.
89	0.000000	9796955.
90	0.000000	9796955.
91	0.000000	9796955.
92	0.000000	9796955.
93	0.000000	9796955.
94	0.000000	9796955.
95	0.000000	9796955.
96	0.000000	9796955.
97	0.000000	9796955.
98	0.000000	9796955.
99	0.000000	9796955.
100	0.000000	9796955.
101	0.000000	9796955.
102	0.000000	9796955.
103	0.000000	9796955.
104	0.000000	9796955.
105	0.000000	9796955.
106	0.000000	9796955.
107	0.000000	9796955.
108	0.000000	9796955.
109	0.000000	9796955.
110	0.000000	9796955.
111	0.000000	9796955.
112	0.000000	9796955.
113	0.000000	9796955.
114	0.000000	9796955.
115	0.000000	9796955.
116	0.000000	9796955.

```
! ALTERNATIF III MUSIM TANAM II

MAX 25147720.45X219 + 25147720.45X220 + 25147720.45X221 +
25147720.45X222 + 25147720.45X223 + 25147720.45X224 +
25147720.45X225 + 25147720.45X226 + 25147720.45X227 +
25147720.45X228 + 25147720.45X229 + 25147720.45X230 +
25147720.45X231 + 25147720.45X232 + 25147720.45X233 +
25147720.45X234 + 25147720.45X235 + 25147720.45X236 +
25147720.45X237 + 25147720.45X238 + 25147720.45X239 +
25147720.45X240 + 25147720.45X241 + 25147720.45X242 +
25147720.45X243 + 25147720.45X244 + 25147720.45X245 +
25147720.45X246 + 25147720.45X247 + 25147720.45X248 +
25147720.45X249 + 25147720.45X250 + 25147720.45X251 +
25147720.45X252 + 25147720.45X253 + 25147720.45X254 +
25147720.45X255 + 25147720.45X256 + 25147720.45X257 +
25147720.45X258 + 25147720.45X259 + 25147720.45X260 +
25147720.45X261 + 25147720.45X262 + 25147720.45X263 +
25147720.45X264 + 25147720.45X265 + 25147720.45X266 +
25147720.45X267 + 25147720.45X268 + 25147720.45X269 +
25147720.45X270 + 25147720.45X271 + 25147720.45X272 +
25147720.45X273 + 25147720.45X274 + 25147720.45X275 +
25147720.45X276 + 25147720.45X277 + 25147720.45X278 +
25147720.45X279 + 25147720.45X280 + 25147720.45X281 +
25147720.45X282 + 25147720.45X283 + 25147720.45X284 +
25147720.45X285 + 25147720.45X286 + 25147720.45X287 +
25147720.45X288 + 25147720.45X289 + 25147720.45X290 +
25147720.45X291 + 25147720.45X292 + 25147720.45X293 +
25147720.45X294 + 25147720.45X295 + 25147720.45X296 +
25147720.45X297 + 25147720.45X298 + 25147720.45X299 +
25147720.45X300 + 25147720.45X301 + 25147720.45X302 +
25147720.45X303 + 25147720.45X304 + 25147720.45X305 +
25147720.45X306 + 25147720.45X307 + 25147720.45X308 +
25147720.45X309 + 25147720.45X310 + 25147720.45X311 +
25147720.45X312 + 25147720.45X313 + 25147720.45X314 +
25147720.45X315 + 25147720.45X316 + 25147720.45X317 +
25147720.45X318 + 25147720.45X319 + 25147720.45X320 +
25147720.45X321 + 25147720.45X322 + 25147720.45X323 +
25147720.45X324 + 25147720.45X325 + 25147720.45X326 +
25147720.45X327 + 18182053.28X328 + 18182053.28X329 +
18182053.28X330 + 18182053.28X331 + 18182053.28X332 +
18182053.28X333 +
18182053.28X334 + 18182053.28X335 + 18182053.28X336 +
18182053.28X337 + 18182053.28X338 + 18182053.28X339 +
18182053.28X340 + 18182053.28X341 + 18182053.28X342 +
18182053.28X343 + 18182053.28X344 + 18182053.28X345 +
18182053.28X346 + 18182053.28X347 + 18182053.28X348 +
18182053.28X349 + 18182053.28X350 + 18182053.28X351 +
18182053.28X352 + 18182053.28X353 +
18182053.28X354 + 18182053.28X355 + 18182053.28X356 +
18182053.28X357 + 18182053.28X358 + 18182053.28X359 +
18182053.28X360 + 18182053.28X361 + 18182053.28X362 +
18182053.28X363 + 18182053.28X364 + 18182053.28X365 +
18182053.28X366 + 18182053.28X367 + 18182053.28X368 +
18182053.28X369 + 18182053.28X370 + 18182053.28X371 +
18182053.28X372 + 18182053.28X373 +
```

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18182053.28X374 + 18182053.28X375 + 18182053.28X376 +
18182053.28X377 + 18182053.28X378 + 18182053.28X379 +
18182053.28X380 + 18182053.28X381 + 18182053.28X382 +
18182053.28X383 + 18182053.28X384 + 18182053.28X385 +
18182053.28X386 + 18182053.28X387 + 18182053.28X388 +
18182053.28X389 + 18182053.28X390 + 18182053.28X391 +
18182053.28X392 + 18182053.28X393 +
18182053.28X394 + 18182053.28X395 + 18182053.28X396 +
18182053.28X397 + 18182053.28X398 + 18182053.28X399 +
18182053.28X400 + 18182053.28X401 + 18182053.28X402 +
18182053.28X403 + 18182053.28X404 + 18182053.28X405 +
18182053.28X406 + 18182053.28X407 + 18182053.28X408 +
18182053.28X409 + 18182053.28X410 + 18182053.28X411 +
18182053.28X412 + 18182053.28X413 +
18182053.28X414 + 18182053.28X415 + 18182053.28X416 +
18182053.28X417 + 18182053.28X418 + 18182053.28X419 +
18182053.28X420 + 18182053.28X421 + 18182053.28X422 +
18182053.28X423 + 18182053.28X424 + 18182053.28X425 +
18182053.28X426 + 18182053.28X427 + 18182053.28X428 +
18182053.28X429 + 18182053.28X430 + 18182053.28X431 +
18182053.28X432 + 18182053.28X433 +
18182053.28X434 + 18182053.28X435 + 18182053.28X436


st
48.69X219 + 48.69X220 + 48.69X221 + 48.69X222 + 48.69X223 +
48.69X224 + 48.69X225 + 48.69X226 + 48.69X227 + 48.69X228 +
48.69X229 + 48.69X230 + 48.69X231 + 48.69X232 + 48.69X233 +
48.69X234 + 48.69X235 + 48.69X236 + 48.69X237 + 48.69X238 +
48.69X239 + 48.69X240 + 48.69X241 + 48.69X242 + 48.69X243 +
48.69X244 + 48.69X245 + 48.69X246 + 48.69X247 + 48.69X248 +
48.69X249 + 48.69X250 + 48.69X251 + 48.69X252 + 48.69X253 +
48.69X254 + 48.69X255 + 48.69X256 + 48.69X257 + 48.69X258 +
48.69X259 + 48.69X260 + 48.69X261 + 48.69X262 + 48.69X263 +
48.69X264 + 48.69X265 + 48.69X266 + 48.69X267 + 48.69X268 +
48.69X269 + 48.69X270 + 48.69X271 + 48.69X272 + 48.69X273 +
48.69X274 + 48.69X275 + 48.69X276 + 48.69X277 + 48.69X278 +
48.69X279 + 48.69X280 + 48.69X281 + 48.69X282 + 48.69X283 +
48.69X284 + 48.69X285 + 48.69X286 + 48.69X287 + 48.69X288 +
48.69X289 + 48.69X290 + 48.69X291 + 48.69X292 + 48.69X293 +
48.69X294 + 48.69X295 + 48.69X296 + 48.69X297 + 48.69X298 +
48.69X299 + 48.69X300 + 48.69X301 + 48.69X302 + 48.69X303 +
48.69X304 + 48.69X305 + 48.69X306 + 48.69X307 + 48.69X308 +
48.69X309 + 48.69X310 + 48.69X311 + 48.69X312 + 48.69X313 +
48.69X314 + 48.69X315 + 48.69X316 + 48.69X317 + 48.69X318 +
48.69X319 + 48.69X320 + 48.69X321 + 48.69X322 + 48.69X323 +
48.69X324 + 48.69X325 + 48.69X326 + 48.69X327 + 39.84X328 +
39.84X329 + 39.84X330 + 39.84X331 + 39.84X332 + 39.84X333 +
39.84X334 + 39.84X335 + 39.84X336 + 39.84X337 + 39.84X338 +
39.84X339 + 39.84X340 + 39.84X341 + 39.84X342 + 39.84X343 +
39.84X344 + 39.84X345 + 39.84X346 + 39.84X347 + 39.84X348 +
39.84X349 + 39.84X350 + 39.84X351 + 39.84X352 + 39.84X353 +
39.84X354 + 39.84X355 + 39.84X356 + 39.84X357 + 39.84X358 +
39.84X359 + 39.84X360 + 39.84X361 + 39.84X362 + 39.84X363 +
39.84X364 + 39.84X365 + 39.84X366 + 39.84X367 + 39.84X368 +
39.84X369 + 39.84X370 + 39.84X371 + 39.84X372 + 39.84X373 +
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39.84X374 + 39.84X375 + 39.84X376 + 39.84X377 + 39.84X378 +
39.84X379 + 39.84X380 + 39.84X381 + 39.84X382 + 39.84X383 +
39.84X384 + 39.84X385 + 39.84X386 + 39.84X387 + 39.84X388 +
39.84X389 + 39.84X390 + 39.84X391 + 39.84X392 + 39.84X393 +
39.84X394 + 39.84X395 + 39.84X396 + 39.84X397 + 39.84X398 +
39.84X399 + 39.84X400 + 39.84X401 + 39.84X402 + 39.84X403 +
39.84X404 + 39.84X405 + 39.84X406 + 39.84X407 + 39.84X408 +
39.84X409 + 39.84X410 + 39.84X411 + 39.84X412 + 39.84X413 +
39.84X414 + 39.84X415 + 39.84X416 + 39.84X417 + 39.84X418 +
39.84X419 + 39.84X420 + 39.84X421 + 39.84X422 + 39.84X423 +
39.84X424 + 39.84X425 + 39.84X426 + 39.84X427 + 39.84X428 +
39.84X429 + 39.84X430 + 39.84X431 + 39.84X432 + 39.84X433 +
39.84X434 + 39.84X435 + 39.84X436 <= 173000


X219 + X328 + X220 + X329 + X221 + X330 + X222 + X331 + X223 +
X332 + X224 + X333 + X225 + X334 + X226 + X335 + X227 + X336 +
X228 + X337 + X229 + X338 + X230 + X339 + X231 + X340 + X232 +
X341 + X233 + X342 + X234 + X343 + X235 + X344 + X236 + X345 +
X237 + X346 + X238 + X347 <= 796

X239 + X348 + X240 + X349 + X241 + X350 + X242 + X351 + X243 +
X352 + X244 + X353 + X245 + X354 + X246 + X355 + X247 + X356 +
X248 + X357 + X249 + X358 + X250 + X359 + X251 + X360 + X252 +
X361 + X253 + X362 + X254 + X363 + X255 + X364 + X256 + X365 +
X257 + X366 + X258 + X367 <= 1183

X259 + X368 + X260 + X369 + X261 + X370 + X262 + X371 + X263 +
X372 + X264 + X373 + X265 + X374 + X266 + X375 + X267 + X376 +
X268 + X377 + X269 + X378 + X270 + X379 + X271 + X380 + X272 +
X381 + X273 + X382 + X274 + X383 + X275 + X384 + X276 + X385 +
X277 + X386 + X278 + X387 <= 1157


X279 + X388 + X280 + X389 + X281 + X390 + X282 + X391 + X283 +
X392 + X284 + X393 + X285 + X394 + X286 + X395 + X287 + X396 +
X288 + X397 + X289 + X398 + X290 + X399 + X291 + X400 + X292 +
X401 + X293 + X402 + X294 + X403 + X295 + X404 + X296 + X405 +
X297 + X406 + X298 + X407 <= 1219

X299 + X408 + X300 + X409 + X301 + X410 + X302 + X411 + X303 +
X412 + X304 + X413 + X305 + X414 + X306 + X415 + X307 + X416 +
X308 + X417 + X309 + X418 + X310 + X419 + X311 + X420 + X312 +
X421 + X313 + X422 + X314 + X423 + X315 + X424 + X316 + X425 +
X317 + X426 + X318 + X427 + X319 + X428 + X320 + X429 + X321 +
X430 + X322 + X431 + X323 + X432 + X324 + X433 + X325 + X434 +
X326 + X435 + X327 + X436 <= 2056


X328 <= 12
X329 <= 1.5
X330 <= 1.8
X331 <= 3.7
X332 <= 4.1
X333 <= 0.3
X367 <= 2.2
X368 <= 11
X369 <= 12.5
X370 <= 4.1
X371 <= 18
X372 <= 1
X406 <= 4.2
X407 <= 2.4
X408 <= 10.1
X409 <= 10.4
X410 <= 10
X411 <= 7.4
```

X334 <= 0.6
X335 <= 4.1
X336 <= 1.1
X337 <= 4.3
X338 <= 0.9
X339 <= 1.7
X340 <= 2.9
X341 <= 1.1
X342 <= 2.7
X343 <= 9.4
X344 <= 6.6
X345 <= 7.8
X346 <= 6.4
X347 <= 6.6
X348 <= 6
X349 <= 6.5
X350 <= 7
X351 <= 4
X352 <= 4
X353 <= 5.6
X354 <= 3
X355 <= 5
X356 <= 10.7
X357 <= 5.1
X358 <= 9
X359 <= 12.5
X360 <= 3.5
X361 <= 13.4
X362 <= 5.2
X363 <= 2.8
X364 <= 5.5
X365 <= 5.3
X366 <= 2
X373 <= 9
X374 <= 2.8
X375 <= 10.5
X376 <= 3.4
X377 <= 6.5
X378 <= 4.4
X379 <= 2.2
X380 <= 3.7
X381 <= 4.6
X382 <= 1
X383 <= 3
X384 <= 3.7
X385 <= 4.1
X386 <= 4.3
X387 <= 5.9
X388 <= 1
X389 <= 2.7
X390 <= 1
X391 <= 2
X392 <= 6.1
X393 <= 9.5
X394 <= 6.5
X395 <= 14.1
X396 <= 3
X397 <= 4.2
X398 <= 9.4
X399 <= 7
X400 <= 8
X401 <= 6
X402 <= 7.4
X403 <= 12
X404 <= 5.3
X405 <= 10.1
X412 <= 8.8
X413 <= 8.8
X414 <= 4.7
X415 <= 8.8
X416 <= 5
X417 <= 7.9
X418 <= 4.5
X419 <= 4.1
X420 <= 4
X421 <= 3.8
X422 <= 13.5
X423 <= 9.1
X424 <= 5.5
X425 <= 12.4
X426 <= 3.5
X427 <= 9.1
X428 <= 8
X429 <= 5.8
X430 <= 9.2
X431 <= 5.2
X432 <= 5.5
X433 <= 5.3
X434 <= 6.8
X435 <= 4.3
X436 <= 4.1

OUTPUT ALTERNATIF III MUSIM TANAM II

Global optimal solution found.
Objective value: 0.8935214E+11
Infeasibilities: 0.000000
Total solver iterations: 7

Variable	Value	Reduced Cost
X219	0.000000	0.000000
X220	0.000000	0.000000
X221	0.000000	0.000000
X222	0.000000	0.000000
X223	0.000000	0.000000
X224	0.000000	0.000000
X225	0.000000	0.000000
X226	0.000000	0.000000
X227	0.000000	0.000000
X228	0.000000	0.000000
X229	0.000000	0.000000
X230	0.000000	0.000000
X231	0.000000	0.000000
X232	0.000000	0.000000
X233	0.000000	0.000000
X234	0.000000	0.000000
X235	0.000000	0.000000
X236	0.000000	0.000000
X237	0.000000	0.000000
X238	0.000000	0.000000
X239	0.000000	0.000000
X240	0.000000	0.000000
X241	0.000000	0.000000
X242	0.000000	0.000000
X243	0.000000	0.000000
X244	0.000000	0.000000
X245	0.000000	0.000000
X246	0.000000	0.000000
X247	0.000000	0.000000
X248	0.000000	0.000000
X249	0.000000	0.000000
X250	0.000000	0.000000
X251	0.000000	0.000000
X252	0.000000	0.000000
X253	0.000000	0.000000
X254	0.000000	0.000000
X255	0.000000	0.000000
X256	0.000000	0.000000
X257	0.000000	0.000000
X258	0.000000	0.000000
X259	0.000000	0.000000
X260	0.000000	0.000000
X261	0.000000	0.000000
X262	0.000000	0.000000
X263	0.000000	0.000000
X264	0.000000	0.000000
X265	0.000000	0.000000
X266	0.000000	0.000000
X267	0.000000	0.000000
X268	0.000000	0.000000
X269	0.000000	0.000000
X270	0.000000	0.000000

X271	0.000000	0.000000
X272	0.000000	0.000000
X273	0.000000	0.000000
X274	0.000000	0.000000
X275	0.000000	0.000000
X276	0.000000	0.000000
X277	0.000000	0.000000
X278	278.0910	0.000000
X279	0.000000	0.000000
X280	0.000000	0.000000
X281	0.000000	0.000000
X282	0.000000	0.000000
X283	0.000000	0.000000
X284	0.000000	0.000000
X285	0.000000	0.000000
X286	0.000000	0.000000
X287	0.000000	0.000000
X288	0.000000	0.000000
X289	0.000000	0.000000
X290	0.000000	0.000000
X291	0.000000	0.000000
X292	0.000000	0.000000
X293	0.000000	0.000000
X294	0.000000	0.000000
X295	0.000000	0.000000
X296	0.000000	0.000000
X297	0.000000	0.000000
X298	1219.000	0.000000
X299	0.000000	0.000000
X300	0.000000	0.000000
X301	0.000000	0.000000
X302	0.000000	0.000000
X303	0.000000	0.000000
X304	0.000000	0.000000
X305	0.000000	0.000000
X306	0.000000	0.000000
X307	0.000000	0.000000
X308	0.000000	0.000000
X309	0.000000	0.000000
X310	0.000000	0.000000
X311	0.000000	0.000000
X312	0.000000	0.000000
X313	0.000000	0.000000
X314	0.000000	0.000000
X315	0.000000	0.000000
X316	0.000000	0.000000
X317	0.000000	0.000000
X318	0.000000	0.000000
X319	0.000000	0.000000
X320	0.000000	0.000000
X321	0.000000	0.000000
X322	0.000000	0.000000
X323	0.000000	0.000000
X324	0.000000	0.000000
X325	0.000000	0.000000
X326	0.000000	0.000000
X327	2056.000	0.000000
X328	0.000000	2394763.
X329	0.000000	2394763.
X330	0.000000	2394763.
X331	0.000000	2394763.
X332	0.000000	2394763.

X333	0.000000	2394763.
X334	0.000000	2394763.
X335	0.000000	2394763.
X336	0.000000	2394763.
X337	0.000000	2394763.
X338	0.000000	2394763.
X339	0.000000	2394763.
X340	0.000000	2394763.
X341	0.000000	2394763.
X342	0.000000	2394763.
X343	0.000000	2394763.
X344	0.000000	2394763.
X345	0.000000	2394763.
X346	0.000000	2394763.
X347	0.000000	2394763.
X348	0.000000	2394763.
X349	0.000000	2394763.
X350	0.000000	2394763.
X351	0.000000	2394763.
X352	0.000000	2394763.
X353	0.000000	2394763.
X354	0.000000	2394763.
X355	0.000000	2394763.
X356	0.000000	2394763.
X357	0.000000	2394763.
X358	0.000000	2394763.
X359	0.000000	2394763.
X360	0.000000	2394763.
X361	0.000000	2394763.
X362	0.000000	2394763.
X363	0.000000	2394763.
X364	0.000000	2394763.
X365	0.000000	2394763.
X366	0.000000	2394763.
X367	0.000000	2394763.
X368	0.000000	2394763.
X369	0.000000	2394763.
X370	0.000000	2394763.
X371	0.000000	2394763.
X372	0.000000	2394763.
X373	0.000000	2394763.
X374	0.000000	2394763.
X375	0.000000	2394763.
X376	0.000000	2394763.
X377	0.000000	2394763.
X378	0.000000	2394763.
X379	0.000000	2394763.
X380	0.000000	2394763.
X381	0.000000	2394763.
X382	0.000000	2394763.
X383	0.000000	2394763.
X384	0.000000	2394763.
X385	0.000000	2394763.
X386	0.000000	2394763.
X387	0.000000	2394763.
X388	0.000000	2394763.
X389	0.000000	2394763.
X390	0.000000	2394763.
X391	0.000000	2394763.
X392	0.000000	2394763.
X393	0.000000	2394763.
X394	0.000000	2394763.

X395	0.000000	2394763.
X396	0.000000	2394763.
X397	0.000000	2394763.
X398	0.000000	2394763.
X399	0.000000	2394763.
X400	0.000000	2394763.
X401	0.000000	2394763.
X402	0.000000	2394763.
X403	0.000000	2394763.
X404	0.000000	2394763.
X405	0.000000	2394763.
X406	0.000000	2394763.
X407	0.000000	2394763.
X408	0.000000	2394763.
X409	0.000000	2394763.
X410	0.000000	2394763.
X411	0.000000	2394763.
X412	0.000000	2394763.
X413	0.000000	2394763.
X414	0.000000	2394763.
X415	0.000000	2394763.
X416	0.000000	2394763.
X417	0.000000	2394763.
X418	0.000000	2394763.
X419	0.000000	2394763.
X420	0.000000	2394763.
X421	0.000000	2394763.
X422	0.000000	2394763.
X423	0.000000	2394763.
X424	0.000000	2394763.
X425	0.000000	2394763.
X426	0.000000	2394763.
X427	0.000000	2394763.
X428	0.000000	2394763.
X429	0.000000	2394763.
X430	0.000000	2394763.
X431	0.000000	2394763.
X432	0.000000	2394763.
X433	0.000000	2394763.
X434	0.000000	2394763.
X435	0.000000	2394763.
X436	0.000000	2394763.

Row	Slack or Surplus	Dual Price
1	0.8935214E+11	1.000000
2	0.000000	516486.4
3	796.0000	0.000000
4	1183.000	0.000000
5	878.9090	0.000000
6	0.000000	0.000000
7	0.000000	0.000000
8	12.00000	0.000000
9	2.200000	0.000000
10	4.200000	0.000000
11	1.500000	0.000000
12	11.00000	0.000000
13	2.400000	0.000000
14	1.800000	0.000000
15	12.50000	0.000000
16	10.10000	0.000000
17	3.700000	0.000000
18	4.100000	0.000000
19	10.40000	0.000000

20	4.100000	0.000000
21	18.00000	0.000000
22	10.00000	0.000000
23	0.3000000	0.000000
24	1.000000	0.000000
25	7.400000	0.000000
26	0.6000000	0.000000
27	9.000000	0.000000
28	8.800000	0.000000
29	4.100000	0.000000
30	2.800000	0.000000
31	8.800000	0.000000
32	1.100000	0.000000
33	10.50000	0.000000
34	4.700000	0.000000
35	4.300000	0.000000
36	3.400000	0.000000
37	8.800000	0.000000
38	0.9000000	0.000000
39	6.500000	0.000000
40	5.000000	0.000000
41	1.700000	0.000000
42	4.400000	0.000000
43	7.900000	0.000000
44	2.900000	0.000000
45	2.200000	0.000000
46	4.500000	0.000000
47	1.100000	0.000000
48	3.700000	0.000000
49	4.100000	0.000000
50	2.700000	0.000000
51	4.600000	0.000000
52	4.000000	0.000000
53	9.400000	0.000000
54	1.000000	0.000000
55	3.800000	0.000000
56	6.600000	0.000000
57	3.000000	0.000000
58	13.50000	0.000000
59	7.800000	0.000000
60	3.700000	0.000000
61	9.100000	0.000000
62	6.400000	0.000000
63	4.100000	0.000000
64	5.500000	0.000000
65	6.600000	0.000000
66	4.300000	0.000000
67	12.40000	0.000000
68	6.000000	0.000000
69	5.900000	0.000000
70	3.500000	0.000000
71	6.500000	0.000000
72	1.000000	0.000000
73	9.100000	0.000000
74	7.000000	0.000000
75	2.700000	0.000000
76	8.000000	0.000000
77	4.000000	0.000000
78	1.000000	0.000000
79	5.800000	0.000000
80	4.000000	0.000000
81	2.000000	0.000000
82	9.200000	0.000000

83	5.600000	0.000000
84	6.100000	0.000000
85	5.200000	0.000000
86	3.000000	0.000000
87	9.500000	0.000000
88	5.500000	0.000000
89	5.000000	0.000000
90	6.500000	0.000000
91	5.300000	0.000000
92	10.70000	0.000000
93	14.10000	0.000000
94	6.800000	0.000000
95	5.100000	0.000000
96	3.000000	0.000000
97	4.300000	0.000000
98	9.000000	0.000000
99	4.200000	0.000000
100	4.100000	0.000000
101	12.50000	0.000000
102	9.400000	0.000000
103	3.500000	0.000000
104	7.000000	0.000000
105	13.40000	0.000000
106	8.000000	0.000000
107	5.200000	0.000000
108	6.000000	0.000000
109	2.800000	0.000000
110	7.400000	0.000000
111	5.500000	0.000000
112	12.00000	0.000000
113	5.300000	0.000000
114	5.300000	0.000000
115	2.000000	0.000000
116	10.10000	0.000000

! ALTERNATIF III MUSIM TANAM III

MAX 25147720.45X437 + 25147720.45X438 + 25147720.45X439 +
25147720.45X440 + 25147720.45X441 + 25147720.45X442 +
25147720.45X443 + 25147720.45X444 + 25147720.45X445 +
25147720.45X446 + 25147720.45X447 + 25147720.45X448 +
25147720.45X449 + 25147720.45X450 + 25147720.45X451 +
25147720.45X452 + 25147720.45X453 + 25147720.45X454 +
25147720.45X455 + 25147720.45X456 + 25147720.45X457 +
25147720.45X458 + 25147720.45X459 + 25147720.45X460 +
25147720.45X461 + 25147720.45X462 + 25147720.45X463 +
25147720.45X464 + 25147720.45X465 + 25147720.45X466 +
25147720.45X467 + 25147720.45X468 + 25147720.45X469 +
25147720.45X470 + 25147720.45X471 + 25147720.45X472 +
25147720.45X473 + 25147720.45X474 + 25147720.45X475 +
25147720.45X476 + 25147720.45X477 + 25147720.45X478 +
25147720.45X479 + 25147720.45X480 + 25147720.45X481 +
25147720.45X482 + 25147720.45X483 + 25147720.45X484 +
25147720.45X485 + 25147720.45X486 + 25147720.45X487 +
25147720.45X488 + 25147720.45X489 + 25147720.45X490 +
25147720.45X491 + 25147720.45X492 + 25147720.45X493 +
25147720.45X494 + 25147720.45X495 + 25147720.45X496 +
25147720.45X497 + 25147720.45X498 + 25147720.45X499 +
25147720.45X500 + 25147720.45X501 + 25147720.45X502 +
25147720.45X503 + 25147720.45X504 + 25147720.45X505 +
25147720.45X506 + 25147720.45X507 + 25147720.45X508 +
25147720.45X509 + 25147720.45X510 + 25147720.45X511 +
25147720.45X512 + 25147720.45X513 + 25147720.45X514 +
25147720.45X515 + 25147720.45X516 + 25147720.45X517 +
25147720.45X518 + 25147720.45X519 + 25147720.45X520 +
25147720.45X521 + 25147720.45X522 + 25147720.45X523 +
25147720.45X524 + 25147720.45X525 + 25147720.45X526 +
25147720.45X527 + 25147720.45X528 + 25147720.45X529 +
25147720.45X530 + 25147720.45X531 + 25147720.45X532 +
25147720.45X533 + 25147720.45X534 + 25147720.45X535 +
25147720.45X536 + 25147720.45X537 + 25147720.45X538 +
25147720.45X539 + 25147720.45X540 + 25147720.45X541 +
25147720.45X542 + 25147720.45X543 + 25147720.45X544 +
25147720.45X545 + 18182053.28X546 + 18182053.28X547 +
18182053.28X548 + 18182053.28X549 + 18182053.28X550 +
18182053.28X551 +
18182053.28X552 + 18182053.28X553 + 18182053.28X554 +
18182053.28X555 + 18182053.28X556 + 18182053.28X557 +
18182053.28X558 + 18182053.28X559 + 18182053.28X560 +
18182053.28X561 + 18182053.28X562 + 18182053.28X563 +
18182053.28X564 + 18182053.28X565 + 18182053.28X566 +
18182053.28X567 + 18182053.28X568 + 18182053.28X569 +
18182053.28X570 + 18182053.28X571 +
18182053.28X572 + 18182053.28X573 + 18182053.28X574 +
18182053.28X575 + 18182053.28X576 + 18182053.28X577 +
18182053.28X578 + 18182053.28X579 + 18182053.28X580 +
18182053.28X581 + 18182053.28X582 + 18182053.28X583 +
18182053.28X584 + 18182053.28X585 + 18182053.28X586 +
18182053.28X587 + 18182053.28X588 + 18182053.28X589 +
18182053.28X590 + 18182053.28X591 +

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18182053.28X592 + 18182053.28X593 + 18182053.28X594 +
18182053.28X595 + 18182053.28X596 + 18182053.28X597 +
18182053.28X598 + 18182053.28X599 + 18182053.28X600 +
18182053.28X601 + 18182053.28X602 + 18182053.28X603 +
18182053.28X604 + 18182053.28X605 + 18182053.28X606 +
18182053.28X607 + 18182053.28X608 + 18182053.28X609 +
18182053.28X610 + 18182053.28X611 +
18182053.28X612 + 18182053.28X613 + 18182053.28X614 +
18182053.28X615 + 18182053.28X616 + 18182053.28X617 +
18182053.28X618 + 18182053.28X619 + 18182053.28X620 +
18182053.28X621 + 18182053.28X622 + 18182053.28X623 +
18182053.28X624 + 18182053.28X625 + 18182053.28X626 +
18182053.28X627 + 18182053.28X628 + 18182053.28X629 +
18182053.28X630 + 18182053.28X631 +
18182053.28X632 + 18182053.28X633 + 18182053.28X634 +
18182053.28X635 + 18182053.28X636 + 18182053.28X637 +
18182053.28X638 + 18182053.28X639 + 18182053.28X640 +
18182053.28X641 + 18182053.28X642 + 18182053.28X643 +
18182053.28X644 + 18182053.28X645 + 18182053.28X646 +
18182053.28X647 + 18182053.28X648 + 18182053.28X649 +
18182053.28X650 + 18182053.28X651 +
18182053.28X652 + 18182053.28X653 + 18182053.28X654


st
39.84X437 + 39.84X438 + 39.84X439 + 39.84X440 + 39.84X441 +
39.84X442 + 39.84X443 + 39.84X444 + 39.84X445 + 39.84X446 +
39.84X447 + 39.84X448 + 39.84X449 + 39.84X450 + 39.84X451 +
39.84X452 + 39.84X453 + 39.84X454 + 39.84X455 + 39.84X456 +
39.84X457 + 39.84X458 + 39.84X459 + 39.84X460 + 39.84X461 +
39.84X462 + 39.84X463 + 39.84X464 + 39.84X465 + 39.84X466 +
39.84X467 + 39.84X468 + 39.84X469 + 39.84X470 + 39.84X471 +
39.84X472 + 39.84X473 + 39.84X474 + 39.84X475 + 39.84X476 +
39.84X477 + 39.84X478 + 39.84X479 + 39.84X480 + 39.84X481 +
39.84X482 + 39.84X483 + 39.84X484 + 39.84X485 + 39.84X486 +
39.84X487 + 39.84X488 + 39.84X489 + 39.84X490 + 39.84X491 +
39.84X492 + 39.84X493 + 39.84X494 + 39.84X495 + 39.84X496 +
39.84X497 + 39.84X498 + 39.84X499 + 39.84X500 + 39.84X501 +
39.84X502 + 39.84X503 + 39.84X504 + 39.84X505 + 39.84X506 +
39.84X507 + 39.84X508 + 39.84X509 + 39.84X510 + 39.84X511 +
39.84X512 + 39.84X513 + 39.84X514 + 39.84X515 + 39.84X516 +
39.84X517 + 39.84X518 + 39.84X519 + 39.84X520 + 39.84X521 +
39.84X522 + 39.84X523 + 39.84X524 + 39.84X525 + 39.84X526 +
39.84X527 + 39.84X528 + 39.84X529 + 39.84X530 + 39.84X531 +
39.84X532 + 39.84X533 + 39.84X534 + 39.84X535 + 39.84X536 +
39.84X537 + 39.84X538 + 39.84X539 + 39.84X540 + 39.84X541 +
39.84X542 + 39.84X543 + 39.84X544 + 39.84X545 + 48.69X546 +
48.69X547 + 48.69X548 + 48.69X549 + 48.69X550 + 48.69X551 +
48.69X552 + 48.69X553 + 48.69X554 + 48.69X555 + 48.69X556 +
48.69X557 + 48.69X558 + 48.69X559 + 48.69X560 + 48.69X561 +
48.69X562 + 48.69X563 + 48.69X564 + 48.69X565 + 48.69X566 +
48.69X567 + 48.69X568 + 48.69X569 + 48.69X570 + 48.69X571 +
48.69X572 + 48.69X573 + 48.69X574 + 48.69X575 + 48.69X576 +
48.69X577 + 48.69X578 + 48.69X579 + 48.69X580 + 48.69X581 +
48.69X582 + 48.69X583 + 48.69X584 + 48.69X585 + 48.69X586 +
48.69X587 + 48.69X588 + 48.69X589 + 48.69X590 + 48.69X591 +
```

48.69X592 + 48.69X593 + 48.69X594 + 48.69X595 + 48.69X596 +
48.69X597 + 48.69X598 + 48.69X599 + 48.69X600 + 48.69X601 +
48.69X602 + 48.69X603 + 48.69X604 + 48.69X605 + 48.69X606 +
48.69X607 + 48.69X608 + 48.69X609 + 48.69X610 + 48.69X611 +
48.69X612 + 48.69X613 + 48.69X614 + 48.69X615 + 48.69X616 +
48.69X617 + 48.69X618 + 48.69X619 + 48.69X620 + 48.69X621 +
48.69X622 + 48.69X623 + 48.69X624 + 48.69X625 + 48.69X626 +
48.69X627 + 48.69X628 + 48.69X629 + 48.69X630 + 48.69X631 +
48.69X632 + 48.69X633 + 48.69X634 + 48.69X635 + 48.69X636 +
48.69X637 + 48.69X638 + 48.69X639 + 48.69X640 + 48.69X641 +
48.69X642 + 48.69X643 + 48.69X644 + 48.69X645 + 48.69X646 +
48.69X647 + 48.69X648 + 48.69X649 + 48.69X650 + 48.69X651 +
48.69X652 + 48.69X653 + 48.69X654 <= 27850

X437 + X546 + X438 + X547 + X439 + X548 + X440 + X549 + X441 +
X550 + X442 + X551 + X443 + X552 + X444 + X553 + X445 + X554 +
X446 + X555 + X447 + X556 + X448 + X557 + X449 + X558 + X450 +
X559 + X451 + X560 + X452 + X561 + X453 + X562 + X454 + X563 +
X455 + X564 + X456 + X565 <= 716.4

X457 + X566 + X458 + X567 + X459 + X568 + X460 + X569 + X461 +
X570 + X462 + X571 + X463 + X572 + X464 + X573 + X465 + X574 +
X466 + X575 + X467 + X576 + X468 + X577 + X469 + X578 + X470 +
X579 + X471 + X580 + X472 + X581 + X473 + X582 + X474 + X583 +
X475 + X584 + X476 + X585 <= 1064.7

X477 + X586 + X478 + X587 + X479 + X588 + X480 + X589 + X481 +
X590 + X482 + X591 + X483 + X592 + X484 + X593 + X485 + X594 +
X486 + X595 + X487 + X596 + X488 + X597 + X489 + X598 + X490 +
X599 + X491 + X600 + X492 + X601 + X493 + X602 + X494 + X603 +
X495 + X604 + X496 + X605 <= 1041.3

X497 + X606 + X498 + X607 + X499 + X608 + X500 + X609 + X501 +
X610 + X502 + X611 + X503 + X612 + X504 + X613 + X505 + X614 +
X506 + X615 + X507 + X616 + X508 + X617 + X509 + X618 + X510 +
X619 + X511 + X620 + X512 + X621 + X513 + X622 + X514 + X623 +
X515 + X624 + X516 + X625 <= 1097.1

X517 + X626 + X518 + X627 + X519 + X628 + X520 + X629 + X521 +
X630 + X522 + X631 + X523 + X632 + X524 + X633 + X525 + X634 +
X526 + X635 + X527 + X636 + X528 + X637 + X529 + X638 + X530 +
X639 + X531 + X640 + X532 + X641 + X533 + X642 + X534 + X643 +
X535 + X644 + X536 + X645 + X537 + X646 + X538 + X647 + X539 +
X648 + X540 + X649 + X541 + X650 + X542 + X651 + X543 + X652 +
X544 + X653 + X545 + X654 <= 1850.4

X546 <= 0
X547 <= 0
X548 <= 0
X549 <= 0
X550 <= 0
X551 <= 0
X552 <= 0
X553 <= 0
X554 <= 0
X555 <= 0
X556 <= 0
X557 <= 0
X558 <= 0
X559 <= 0
X560 <= 0
X561 <= 0
X562 <= 0
X563 <= 0
X564 <= 0
X565 <= 0
X566 <= 0
X567 <= 0
X568 <= 0
X569 <= 0
X570 <= 0
X571 <= 0
X572 <= 0
X573 <= 0
X574 <= 0
X575 <= 0
X576 <= 0
X577 <= 0
X578 <= 0
X579 <= 0
X580 <= 0
X581 <= 0
X582 <= 0
X583 <= 0
X584 <= 0
X585 <= 0
X586 <= 0
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X588 <= 0
X589 <= 0
X590 <= 0
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X601 <= 0
X602 <= 0
X603 <= 0
X604 <= 0
X605 <= 0
X606 <= 0
X607 <= 0
X608 <= 0
X609 <= 0
X610 <= 0
X611 <= 0
X612 <= 0
X613 <= 0
X614 <= 0
X615 <= 0
X616 <= 0
X617 <= 0
X618 <= 0
X619 <= 0
X620 <= 0
X621 <= 0
X622 <= 0
X623 <= 0
X624 <= 0
X625 <= 0
X626 <= 0
X627 <= 0
X628 <= 0
X629 <= 0
X630 <= 0
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X632 <= 0
X633 <= 0
X634 <= 0
X635 <= 0
X636 <= 0
X637 <= 0
X638 <= 0
X639 <= 0
X640 <= 0
X641 <= 0
X642 <= 0
X643 <= 0
X644 <= 0
X645 <= 0
X646 <= 0
X647 <= 0
X648 <= 0
X649 <= 0
X650 <= 0
X651 <= 0
X652 <= 0
X653 <= 0
X654 <= 0

OUTPUT ALTERNATIF III MUSIM TANAM III

Global optimal solution found.
Objective value: 0.1757942E+11
Infeasibilities: 0.000000
Total solver iterations: 0

Variable	Value	Reduced Cost
X437	0.000000	0.000000
X438	0.000000	0.000000
X439	0.000000	0.000000
X440	0.000000	0.000000
X441	0.000000	0.000000
X442	0.000000	0.000000
X443	0.000000	0.000000
X444	0.000000	0.000000
X445	0.000000	0.000000
X446	0.000000	0.000000
X447	0.000000	0.000000
X448	0.000000	0.000000
X449	0.000000	0.000000
X450	0.000000	0.000000
X451	0.000000	0.000000
X452	0.000000	0.000000
X453	0.000000	0.000000
X454	0.000000	0.000000
X455	0.000000	0.000000
X456	0.000000	0.000000
X457	0.000000	0.000000
X458	0.000000	0.000000
X459	0.000000	0.000000
X460	0.000000	0.000000
X461	0.000000	0.000000
X462	0.000000	0.000000
X463	0.000000	0.000000
X464	0.000000	0.000000
X465	0.000000	0.000000
X466	0.000000	0.000000
X467	0.000000	0.000000
X468	0.000000	0.000000
X469	0.000000	0.000000
X470	0.000000	0.000000
X471	0.000000	0.000000
X472	0.000000	0.000000
X473	0.000000	0.000000
X474	0.000000	0.000000
X475	0.000000	0.000000
X476	0.000000	0.000000
X477	0.000000	0.000000
X478	0.000000	0.000000
X479	0.000000	0.000000
X480	0.000000	0.000000
X481	0.000000	0.000000
X482	0.000000	0.000000
X483	0.000000	0.000000
X484	0.000000	0.000000
X485	0.000000	0.000000
X486	0.000000	0.000000
X487	0.000000	0.000000
X488	0.000000	0.000000
X489	0.000000	0.000000
X490	0.000000	0.000000

X491	0.000000	0.000000
X492	0.000000	0.000000
X493	0.000000	0.000000
X494	0.000000	0.000000
X495	0.000000	0.000000
X496	0.000000	0.000000
X497	0.000000	0.000000
X498	0.000000	0.000000
X499	0.000000	0.000000
X500	0.000000	0.000000
X501	0.000000	0.000000
X502	0.000000	0.000000
X503	0.000000	0.000000
X504	0.000000	0.000000
X505	0.000000	0.000000
X506	0.000000	0.000000
X507	0.000000	0.000000
X508	0.000000	0.000000
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X510	0.000000	0.000000
X511	0.000000	0.000000
X512	0.000000	0.000000
X513	0.000000	0.000000
X514	0.000000	0.000000
X515	0.000000	0.000000
X516	0.000000	0.000000
X517	0.000000	0.000000
X518	0.000000	0.000000
X519	0.000000	0.000000
X520	0.000000	0.000000
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X522	0.000000	0.000000
X523	0.000000	0.000000
X524	0.000000	0.000000
X525	0.000000	0.000000
X526	0.000000	0.000000
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X530	0.000000	0.000000
X531	0.000000	0.000000
X532	0.000000	0.000000
X533	0.000000	0.000000
X534	0.000000	0.000000
X535	0.000000	0.000000
X536	0.000000	0.000000
X537	0.000000	0.000000
X538	0.000000	0.000000
X539	0.000000	0.000000
X540	0.000000	0.000000
X541	0.000000	0.000000
X542	0.000000	0.000000
X543	0.000000	0.000000
X544	0.000000	0.000000
X545	699.0462	0.000000
X546	0.000000	0.1255195E+08
X547	0.000000	0.1255195E+08
X548	0.000000	0.1255195E+08
X549	0.000000	0.1255195E+08
X550	0.000000	0.1255195E+08
X551	0.000000	0.1255195E+08
X552	0.000000	0.1255195E+08
X553	0.000000	0.1255195E+08

X554	0.000000	0.1255195E+08
X555	0.000000	0.1255195E+08
X556	0.000000	0.1255195E+08
X557	0.000000	0.1255195E+08
X558	0.000000	0.1255195E+08
X559	0.000000	0.1255195E+08
X560	0.000000	0.1255195E+08
X561	0.000000	0.1255195E+08
X562	0.000000	0.1255195E+08
X563	0.000000	0.1255195E+08
X564	0.000000	0.1255195E+08
X565	0.000000	0.1255195E+08
X566	0.000000	0.1255195E+08
X567	0.000000	0.1255195E+08
X568	0.000000	0.1255195E+08
X569	0.000000	0.1255195E+08
X570	0.000000	0.1255195E+08
X571	0.000000	0.1255195E+08
X572	0.000000	0.1255195E+08
X573	0.000000	0.1255195E+08
X574	0.000000	0.1255195E+08
X575	0.000000	0.1255195E+08
X576	0.000000	0.1255195E+08
X577	0.000000	0.1255195E+08
X578	0.000000	0.1255195E+08
X579	0.000000	0.1255195E+08
X580	0.000000	0.1255195E+08
X581	0.000000	0.1255195E+08
X582	0.000000	0.1255195E+08
X583	0.000000	0.1255195E+08
X584	0.000000	0.1255195E+08
X585	0.000000	0.1255195E+08
X586	0.000000	0.1255195E+08
X587	0.000000	0.1255195E+08
X588	0.000000	0.1255195E+08
X589	0.000000	0.1255195E+08
X590	0.000000	0.1255195E+08
X591	0.000000	0.1255195E+08
X592	0.000000	0.1255195E+08
X593	0.000000	0.1255195E+08
X594	0.000000	0.1255195E+08
X595	0.000000	0.1255195E+08
X596	0.000000	0.1255195E+08
X597	0.000000	0.1255195E+08
X598	0.000000	0.1255195E+08
X599	0.000000	0.1255195E+08
X600	0.000000	0.1255195E+08
X601	0.000000	0.1255195E+08
X602	0.000000	0.1255195E+08
X603	0.000000	0.1255195E+08
X604	0.000000	0.1255195E+08
X605	0.000000	0.1255195E+08
X606	0.000000	0.1255195E+08
X607	0.000000	0.1255195E+08
X608	0.000000	0.1255195E+08
X609	0.000000	0.1255195E+08
X610	0.000000	0.1255195E+08
X611	0.000000	0.1255195E+08
X612	0.000000	0.1255195E+08
X613	0.000000	0.1255195E+08
X614	0.000000	0.1255195E+08
X615	0.000000	0.1255195E+08
X616	0.000000	0.1255195E+08

X617	0.000000	0.1255195E+08
X618	0.000000	0.1255195E+08
X619	0.000000	0.1255195E+08
X620	0.000000	0.1255195E+08
X621	0.000000	0.1255195E+08
X622	0.000000	0.1255195E+08
X623	0.000000	0.1255195E+08
X624	0.000000	0.1255195E+08
X625	0.000000	0.1255195E+08
X626	0.000000	0.1255195E+08
X627	0.000000	0.1255195E+08
X628	0.000000	0.1255195E+08
X629	0.000000	0.1255195E+08
X630	0.000000	0.1255195E+08
X631	0.000000	0.1255195E+08
X632	0.000000	0.1255195E+08
X633	0.000000	0.1255195E+08
X634	0.000000	0.1255195E+08
X635	0.000000	0.1255195E+08
X636	0.000000	0.1255195E+08
X637	0.000000	0.1255195E+08
X638	0.000000	0.1255195E+08
X639	0.000000	0.1255195E+08
X640	0.000000	0.1255195E+08
X641	0.000000	0.1255195E+08
X642	0.000000	0.1255195E+08
X643	0.000000	0.1255195E+08
X644	0.000000	0.1255195E+08
X645	0.000000	0.1255195E+08
X646	0.000000	0.1255195E+08
X647	0.000000	0.1255195E+08
X648	0.000000	0.1255195E+08
X649	0.000000	0.1255195E+08
X650	0.000000	0.1255195E+08
X651	0.000000	0.1255195E+08
X652	0.000000	0.1255195E+08
X653	0.000000	0.1255195E+08
X654	0.000000	0.1255195E+08

Row	Slack or Surplus	Dual Price
1	0.1757942E+11	1.000000
2	0.000000	631217.9
3	716.4000	0.000000
4	1064.700	0.000000
5	1041.300	0.000000
6	1097.100	0.000000
7	1151.354	0.000000
8	0.000000	0.000000
9	0.000000	0.000000
10	0.000000	0.000000
11	0.000000	0.000000
12	0.000000	0.000000
13	0.000000	0.000000
14	0.000000	0.000000
15	0.000000	0.000000
16	0.000000	0.000000
17	0.000000	0.000000
18	0.000000	0.000000
19	0.000000	0.000000
20	0.000000	0.000000
21	0.000000	0.000000
22	0.000000	0.000000
23	0.000000	0.000000

24	0.000000	0.000000
25	0.000000	0.000000
26	0.000000	0.000000
27	0.000000	0.000000
28	0.000000	0.000000
29	0.000000	0.000000
30	0.000000	0.000000
31	0.000000	0.000000
32	0.000000	0.000000
33	0.000000	0.000000
34	0.000000	0.000000
35	0.000000	0.000000
36	0.000000	0.000000
37	0.000000	0.000000
38	0.000000	0.000000
39	0.000000	0.000000
40	0.000000	0.000000
41	0.000000	0.000000
42	0.000000	0.000000
43	0.000000	0.000000
44	0.000000	0.000000
45	0.000000	0.000000
46	0.000000	0.000000
47	0.000000	0.000000
48	0.000000	0.000000
49	0.000000	0.000000
50	0.000000	0.000000
51	0.000000	0.000000
52	0.000000	0.000000
53	0.000000	0.000000
54	0.000000	0.000000
55	0.000000	0.000000
56	0.000000	0.000000
57	0.000000	0.000000
58	0.000000	0.000000
59	0.000000	0.000000
60	0.000000	0.000000
61	0.000000	0.000000
62	0.000000	0.000000
63	0.000000	0.000000
64	0.000000	0.000000
65	0.000000	0.000000
66	0.000000	0.000000
67	0.000000	0.000000
68	0.000000	0.000000
69	0.000000	0.000000
70	0.000000	0.000000
71	0.000000	0.000000
72	0.000000	0.000000
73	0.000000	0.000000
74	0.000000	0.000000
75	0.000000	0.000000
76	0.000000	0.000000
77	0.000000	0.000000
78	0.000000	0.000000
79	0.000000	0.000000
80	0.000000	0.000000
81	0.000000	0.000000
82	0.000000	0.000000
83	0.000000	0.000000
84	0.000000	0.000000
85	0.000000	0.000000
86	0.000000	0.000000

87	0.000000	0.000000
88	0.000000	0.000000
89	0.000000	0.000000
90	0.000000	0.000000
91	0.000000	0.000000
92	0.000000	0.000000
93	0.000000	0.000000
94	0.000000	0.000000
95	0.000000	0.000000
96	0.000000	0.000000
97	0.000000	0.000000
98	0.000000	0.000000
99	0.000000	0.000000
100	0.000000	0.000000
101	0.000000	0.000000
102	0.000000	0.000000
103	0.000000	0.000000
104	0.000000	0.000000
105	0.000000	0.000000
106	0.000000	0.000000
107	0.000000	0.000000
108	0.000000	0.000000
109	0.000000	0.000000
110	0.000000	0.000000
111	0.000000	0.000000
112	0.000000	0.000000
113	0.000000	0.000000
114	0.000000	0.000000
115	0.000000	0.000000
116	0.000000	0.000000

Analisis Usaha Tani Tanaman Semusim

Padi Sawah 3x Setahun

Parameter	Satuan Ukuran	Satuan Harga (Rp)	Jumlah output (1x)	Nilai (Rp)
INPUT				
Bibit Padi	Kg	3,700.00	20.00	74,000.00
Pupuk N (Urea)	Kg	1,466.67	170.00	249,333.90
Pupuk P (SP-36)	Kg	2,000.00	196.67	393,340.00
Pupuk K (KCL)	Kg	3,300.00	80.00	264,000.00
Pupuk Za	Kg	1,433.33	113.33	162,439.29
Obat Padat	Paket	113,333.33	3.50	396,666.66
Obat Cair	Paket	54,166.67	3.17	171,708.34
Pupuk Organik	Ton	64,666.67	2.00	129,333.34
Sewa Traktor	Paket	470,833.33	1.00	470,833.33
Ternak	Hrt	29,583.33	4.00	118,333.32
Buruh	Hok	33,958.33	89.00	3,022,291.37
Total Input				5,452,279.55
Hasil Produksi	Kg	3,400	9,000	30,600,000.00
Keuntungan	Ha			**25,147,720.45**

Parameter	Satuan Ukuran	Satuan Harga (Rp)	Jumlah output (1x)	Nilai (Rp)
INPUT				
Bibit Padi	Kg	3,616.67	26.50	95,841.76
Pupuk N (Urea)	Kg	1,383.33	198.33	274,355.84
Pupuk P (SP-36)	Kg	2,016.67	201.67	406,701.84
Pupuk K (KCL)	Kg	2,683.33	74.17	199,014.54
Pupuk Za	Kg	1,283.33	106.67	136,892.81
Obat Padat	Paket	113,666.67	3.50	397,833.35
Obat Cair	Paket	45,833.33	3.17	145,154.16
Pupuk Organik	Ton	68,000.00	1.83	124,440.00
Sewa Traktor	Paket	475,000.00	1.00	475,000.00
Ternak	Hrt	32,583.34	4.30	140,108.34
Buruh	Hok	33,229.17	103.00	3,422,604.10
Total Input				5,817,946.72
Hasil Produksi	Kg	3,000	8,000	24,000,000.00
Keuntungan	Ha			**18,182,053.28**

Lampiran 32

Kebutuhan Air Untuk Tanaman Padi Kabupaten Mukomuko (m^3/s) 2013

A. Musim Tanam I Eksisting

No.	Desa/Kelurahan	Luas lahan (Ha)	Kebutuhan Air (m^3/s) (0.01381xluas lahan)
1	Kecamatan XIV Koto	1416	19.55
2	Lubuk Pinang	2518	34.77
3	Kecamatan V Koto	260	3.59
jumlah		4194	57.92

Sumber : Dinas Pertanian Provinsi Bengkulu

B. Musim Tanam II Eksisting

No.	Desa/Kelurahan	Bulan Tanam	Kebutuhan Air (m^3/s) (0.01381xluas lahan)
1	Kecamatan XIV Koto	1519	20.98
2	Lubuk Pinang	1696	23.42
3	Kecamatan V Koto	294	4.06
jumlah		3509	48.46

Sumber : Dinas Pertanian Provinsi Bengkulu

Kebutuhan Air Untuk Tanaman Jagung Kabupaten Mukomuko

Eksisting Lubuk Pinang

Bulan Tanam	Luas Lahan (Ha)	Kebutuhan Air (m^3/s) (0.01381xluas lahan)
Musim Tanam I	2217	30.62
Musim Tanam II	2902	40.08
Musim Tanam III	2512	34.69

Sumber : Dinas Pertanian Provinsi Bengkulu

Lampiran 34

Perhitungan Curah Hujan

Tahun	CH
2008	40.80
	85.10
	107.60
	114.30
	163.30
	187.10
	191.00
	191.00
	201.10
	235.70
	305.40
	393.80

- $m = \frac{n}{5} + 1$

  $m = \frac{12}{5} + 1$

  $= 3.4$

- $Re = 0{,}7\ x\ \frac{1}{15}\ (R_{80})$

  $Re = 0{,}7\ x\ \frac{1}{15}\ x\ 235.70$

  $= 10.99$

Tahun	CH
2009	13.10
	77.80
	86.80
	145.10
	154.90
	175.00
	181.00
	231.10
	263.90
	269.70
	341.50
	393.80

- $m = \frac{n}{5} + 1$

  $m = \frac{12}{5} + 1$

  $= 3.4$

- $Re = 0{,}7\ x\ \frac{1}{15}\ (R_{80})$

  $Re = 0{,}7\ x\ \frac{1}{15}\ x\ 269.70$

  $= 12.59$

Tahun	CH
2010	58.30
	103.30
	112.50
	128.00
	143.10
	144.70
	145.80
	152.50
	156.60
	161.20
	167.00
	332.70

- $m = \frac{n}{5} + 1$

  $m = \frac{12}{5} + 1$

  $= 3.4$
- $Re = 0{,}7\ x\ \frac{1}{15}\ (R_{80})$

  $Re = 0{,}7\ x\ \frac{1}{15}\ x\ 161.20$

  $= 7.52$

Tahun	CH
2011	62.18
	78.40
	90.30
	90.60
	93.90
	97.70
	125.00
	131.30
	174.90
	229.20
	384.50
	430.60

- $m = \frac{n}{5} + 1$

  $m = \frac{12}{5} + 1$

  $= 3.4$
- $Re = 0{,}7\ x\ \frac{1}{15}\ (R_{80})$

  $Re = 0{,}7\ x\ \frac{1}{15}\ x\ 229.20$

  $= 10.70$

Tahun	CH
2012	0
	0
	0
	0
	0
	24.00
	28.00
	64.50
	77.20
	86.50
	94.30
	155.60

- $m = \frac{n}{5} + 1$

  $m = \frac{12}{5} + 1$

  $= 3.4$

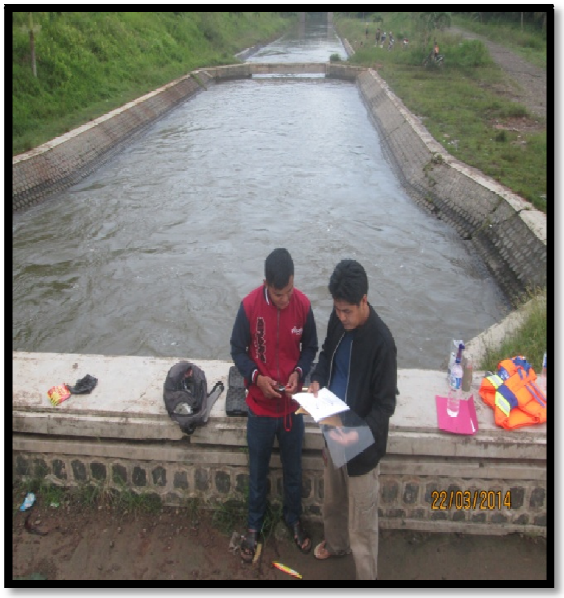
- $Re = 0{,}7\ x\ \frac{1}{15}\ (R_{80})$

  $Re = 0{,}7\ x\ \frac{1}{15}\ x\ 86.50$

  $= 4.04$

Lampiran 36 Dokumentasi

Lokasi : Bendungan Air Manjunto Kiri, Kab. Mukomuko



Situasi di Daerah Irigasi Air Manjunto Kiri

Sumber : Kamera Pribadi, 2014

Pengukuran Kecepatan Menggunakan Alat Currentmeter